

**2nd International Conference on
HIGHER EDUCATION INSTITUTES' CHALLENGES &
SOLUTIONS FOR SUSTAINABLE DEVELOPMENT GOALS '23**

1st - 3rd November 2023



GOALS FOR A BETTER WORLD



organised by
Centre for Research in Environment, Sustainability Advocacy
and Climate Change
REACH
Directorate of Research
SRM Institute of Science & Technology, Kattankulathur

Table of Contents

Page No

Inaugural

2

SDG 1 - No Poverty

5

SDG 2 - Zero Hunger

6

SDG 3 - Maternal and Child Health and Wellbeing

7

SDG 4 - Synergy of Technology in Education

9

SDG 5 - Uniting for Gender Equality

11

SDG 6 - Clean Water and Sanitation

13

SDG 7 - Clean and Affordable Energy

15

SDG 8 - Productive Employment and Economic Growth

17

SDG 9 - Industry, Innovation, and Infrastructure

18

SDG 10 - Reduced Inequalities

19

SDG 11 - Sustainable Cities and Communities

21

SDG 12 - Responsible Consumption and Production

23

SDG 13 - Climate Change and Adaptation

25

SDG 14 - Life Below Water

26

SDG 15 - Life on Land

28

SDG 16 - Peace, Justice, and Strong Institutions

30

SDG 17 - Partnership Goals

32

Valedictory

34

Inaugural

The 2nd International Conference on Higher Education Institute's Challenges & Solutions for Sustainable Development Goals 2023 (ICSDG 2023) unfolded from November 1st to November 3rd at the esteemed Dr. T. P. Ganesan Auditorium. The inauguration, a symbol of enlightenment and knowledge, commenced at 9:30 am on November 1st, 2023, where the lamp was ceremoniously lit, signifying the commencement of a significant discourse. The esteemed Chief Guest, Ms. May-Elin Stener, Norway's Ambassador-Designate, graced the event, along with Jayanthi IAS, Chairman of the Pollution Control Board, honored as the Guest of Honor. Dr. Lt col (Dr) A. Ravikumar Medical Pro Vice Chancellor, presided over the function, marking the presence of distinguished personalities from diverse sectors.

Dr. S. Ponnusamy, Registrar of SRMIST, extended a warm welcome to all attendees, setting the tone for the conference, emphasizing the pivotal role of higher education institutes in addressing and achieving Sustainable Development Goals. The sessions were thoughtfully designed to explore multifaceted challenges and plausible solutions concerning sustainable development within educational landscapes. Spanning topics like Education for Sustainability, Technological Innovations, Environmental Conservation, and Socio-economic Development, the discussions were enriched by the insights shared by renowned scholars, researchers, and experts from various fields.

Dr. Paromita Chakraborty, Head (REACH) delivered a comprehensive summary of the conference proceedings, encapsulating the essence of the enriching discussions and key takeaways. Prof. B. Neppolian, Dean (Research) conveyed heartfelt gratitude, acknowledging the invaluable contributions of all participants, dignitaries, and organizers in making ICSDG 2023 a resounding success. The event's conclusion on November 3rd marked a milestone in the collective endeavor toward sustainable development, encapsulating the spirit of collaboration, knowledge exchange, and a shared commitment to effectuating positive change through education and collective action.



Ms May-Elin Stener Norwegian ambassador to India inaugural address



ICSDG 2023 Inaugural Ceremony



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)



2nd International Conference on HIGHER EDUCATION INSTITUTE'S CHALLENGES & SOLUTIONS FOR SUSTAINABLE DEVELOPMENT GOALS 2023



Prof. Koustuv Dalal
Senior Health Economist & Prevention
Scientist,
Mid Sweden University, Sweden



Ms. Marit Strand
Counselor,
Royal Embassy of Norway



Mr. Jaishankar M.R
Senior executive Engineer,
Chennai Metropolitan Water Supply
and Sewerage Board



Dr. Subrat Sharma
Scientist -F,
G.B. Pant National Institute of
Himalayan Environment and
Sustainable Development



Agilent Technologies



Date: 1st November 2023

Time : 01:45 PM

Venue: Mini Hall 1, T P Ganeshan Auditorium, SRMIST

SDG - 1

Theme: No Poverty

SRM Institute of Hotel Management, Kattankulathur kick started the International Conference with a virtual symposium on the 1st November 2023 on “**Combating Zero Hunger and No Poverty through Responsible Hotel Practices**”.

The guest speakers were,

1. Chef Mougam Periathumbee, Kenya Utali College, Mauritius
2. Chef Sajid Latif, QHSE and Food Safety Manager, Qatar Star Services
3. Chef Jesu Lambert, Executive Chef, Hotel Savera
4. Mr. Kadiriraghu Vamsi, Founder of Marupu Foundation and Young Chakra Award Winner.

The inaugural address was rendered by the Director of SRM IHM, Dr. D. Antony Ashok Kumar, the Convenor of SDG 1.

On 2nd November towards the establishment of SDG 1 “**NO POVERTY**”, the team of faculty members and the students of the Department of Hotel Management proceeded to Nattarasanpattu, a village adopted by SRM IST to inaugurate three different machines contributed to them. They are.

1. Cream Separator
2. Bulk milk cooler
3. Paneer Pressing Machine.

These machines will increase the livelihood of the women of the village thereby ensuring goal 1 is achieved and that ember remains alive to be spread to the other villages making a channel to achieve the goal of the United Nations by 2030. It was inaugurated by the Director of SRM IHM, Dr. D. Antony Ashok Kumar, along with the chief guest Mr. P. Selvarajan Director, State Institute of Rural Development & Panchayat Raj (SIRD & PR), and Mrs. Nirmla Block Manager, Tamil Nadu State Rural Livelihood Mission (TNSRLM) in the presence of Dr. V. Thirumurugan UBA Nodal Officer and Associate Director (CL), SRMIST Mrs. Vasanthi Sambasivam Panchayat President, Nattarasanpattu Mrs. Manjula Karthikeyan Vice-President, Nattarasanpattu, and Mr. Sambasivam Founder, Aramselvam Rural Development Trust. Simultaneously paper presentations on the two topics were held in the audio-visual lab. The judges were as follows,

1. Dr, Santhi, Assistant Professor of SRM IHM & 2. Dr. Karmeni Vannan of SRM IHM.

SDG - 2

Theme: Zero Hunger

The hotel industry has been associated with luxury, comfort, and hospitality but today we have gathered to discuss how it can also be a powerful catalyst for social change. Poverty and hunger are not distant issues to be ignored but affect individuals and communities in every corner of the world. The students of the hotel management prepared food and offered lunch to the orphaned boys of the Corley Hostel, Tambaram, and made them understand education is the greatest weapon to eradicate hunger from society.



SRM IHM providing Milk and butter processing units to SRM UBA adopted villages.

SDG - 3

Theme 1: Maternal and Child Health and Wellbeing (MCHW)

‘As you sow....so you reap’. Investments in promoting the well-being of mother and child are critical to secure the future of humanity. Sessions under this theme would address aspects that determine MCHW (e.g., healthcare access, physical environments like water, sanitation and hygiene, the social milieu, and education); equity; children’s rights in the context of the 2030 Agenda for Sustainable Development. With the aim of addressing this theme, we had posters on various topics such as anemia in women, post-partum mental health, and child health.

Theme 2: Non-communicable diseases (NCDs)

Non-communicable diseases represent a major public health challenge worldwide. They have become a significant global health challenge, leading to a considerable burden on individuals, communities, and healthcare systems. Sessions to address NCDs included students from various departments particularly from the School of Computing presented posters on applying machine learning and artificial intelligence with NCD data.

The poster presentation was held over 2 days, with students from SPH, presenting on day one. We had 19 students present on the first day both undergraduate and postgraduate students. To evaluate the session, we invited Supriya Satishkumar from Translational Research, a research scholar in Multidisciplinary studies to evaluate our students.

Poster Presentation Day 2: We had two sessions from 9:30 AM – 11:30 AM, where we had students from other departments from SRMIST. We had over 15 participants who presented their posters. To evaluate this session, we had Dr. Arunprakash, Associate Professor, Forensic Medicine, SRM MC&RC to do the honours. The second session was from 11:00 AM – 1:30PM. We had 12 presentations, a few from the Department of Psychology, MGR Janaki College for Arts and Sciences, Veltech University, SRM Ramapuram and SRM IST, KTR. This session was evaluated by Dr. Vijayaprasad Gopichandran, Assistant Professor, ESI Medical College and PGIMR.

Keynote Address: Two eminent women were invited to give a talk on NCD and the State of SDGs in the State of Tamil Nadu. Dr. Usha Sriram, a board-certified endocrinologist and internist spoke on NCDs as the Pandemic following the COVID-19 pandemic and laid out the scenario that we are currently facing because of Diabetes and other NCDs after 2 years of COVID. Her talk addressed the role of Lifestyle, Media, and health systems. Following Dr. Usha Sriram’s presentation, we had Dr. Sujatha R, a Senior SDG consultant for the Planning

and Development Department for the State of Tamil Nadu, eloquently paint a picture comparing TN's position with respect to each SDGs. Furthermore, she left us with action items on what Higher Educational Institutions like SRM can do to help achieve the SDGs.

The Winners of the Poster Presentation.

Theme 1:

1st Place: Kaviya Selvam, Vel Tech Engineering College

2nd Place: Ms. Pengsomir Borah, SRM SPH

3rd Place: Mr. Sivohum Sanganeria, School of Computing, SRM IST

Theme 2:

1st Place: Moha Fadte Mahabaleswar, SRM SPH

2nd Place: Dr. G.Jeevitha, SRM Dental College, Ramapuram

3rd Place: Ms. Reeba Jacob. Et.al. SRM SPH

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "BIOLOGICAL EFFECTS OF HAND-HELD MOBILE PHONES ON THE PAROTID GLAND: A SALIVOMETRIC STUDY" by Dr. G. Jeevitha MDS. & Dr. G. Anuradha MDS., PhD., SRM Dental College, Ramapuram. The slide is divided into sections: OBJECTIVES, MATERIAL & METHODS, RESULTS, DISCUSSION, and INFERENCE. The RESULTS section includes bar charts for Salivary Total Proteins, Salivary Flow Rate, Salivary Amylase, Salivary IGA, and Total Antioxidant. The DISCUSSION section mentions a decrease in total protein concentration on the dominant side. The INFERENCE section states that electromagnetic radiation causes negative biological impact on salivary glands. The Zoom interface shows Dr. Jeevitha as the presenter, with other participants like Vijayaprasad Gopichandran, prakash srm, Dhivya K, 15 others, and Geetha Veliah visible in the side panel. The bottom status bar shows the time as 11:10 PM and the ID as bae-ocqd-cdn.

Dr. Jeevitha delivered a presentation focusing on non-communicable diseases.

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "Working towards SDGs". The slide features three main targets: Target 11.6 (By 2030, reduce the adverse per capita environmental impact of cities), Target 15.2 (By 2020, promote the implementation of sustainable management of all types of forests), and Target 13.2 (Integrate climate change measures into national policies, strategies and planning). The slide also mentions the "Meendum Manjappai campaign" and "LINKING SDGs to TN State Action Plan for Climate Change 2.0". The Zoom interface shows Geetha Veliah as the presenter, with other participants like Sujatha R, NARRAIN SHREE..., Suman Kanougiya, KEERTHI P, Emilia Quessongo, INZAMAM SHAIK..., TEJAS GALANDE..., 27 others, and KAVIPRIYA JEEV... visible in the side panel. The bottom status bar shows the time as 11:55 AM and the ID as qmg-qzys-dmc.

Dr. Sujatha presented by climate change measure into national policies.

SDG – 4

Theme: Synergy of Technology in Education

Sustainable Development Goal 4 (SDG 4) is dedicated to ensuring inclusive and equitable quality education and promoting lifelong learning opportunities for all. The aim of SDG 4 is to address various educational challenges worldwide and provide a framework for improving education systems, access, and outcomes.

The SDG-4 Inaugural started at 11:00 am in Mini Hall-1 with the august presence of Dr. A. Duraisamy, Dean, and Dr. S. Albert Antony Raj Deputy Dean of the Faculty of Science and Humanities. The session on “Fostering HOTS” followed the brief inaugural ceremony.

Keynote Speaker Sessions

DAY-1 Nov 1, 2023 – Forenoon Session

On Nov 1, 2023, at MiniHall-1, Dr. T. P. Ganesan Auditorium, a mind-blowing forenoon Session packed with activity-based workshop was conducted by the Resource Person Dr. Zayaprakasasrassan, Head, Medical Education JIPMER for both faculties and students. The workshop was based on the theme “Fostering HOTS” to enhance Quality Education. Attended by around 25 faculties, 300+ PG students, and 35 B. Ed Students of the FSH was a remarkable event. Activities like Think, Pair, and Share made the audience engaged, and stay tuned to the rhythm of the Speaker.

DAY-1 Nov 1, 2023 – Afternoon Session

On the same day, an Online Session 2 was on “Technology in Quality Education” delivered by Dr. Moussa Mahamat Boukar, Dean, Faculty of Computing and Professor of the Department of CS, Nile University of Nigeria. The session was attended by around 150+ students and faculty members of the Faculty of Science and Humanities.

Mega Project Expo

We also conducted a mega project expo that invited inter-departmental projects from different disciplines. An array of around,

- 15 IoT Minimum Viable Prototype Projects
- 5 Garments Design projects from FD
- 5 Photography projects from JMC
- 5 miniature projects from Visual Communication

The projects were displayed for students to walk around and learn. The projects were displayed at Major Dhyam Chand, Indoor Stadium.

We also went extra miles to invite School students for an Inter-School Competition. Infusing Gamification in Education was the theme. Events like Buzzer Bottle, Beyond the Charts, Talk

Tango, Lyrical Showdown, Curtain Chronical, and Ethnic Euphoria were conducted in the grand indoor stadium in a dynamic and memorable way. Around 300 participants from 6 schools participated in the event.



The Grand Valedictory of SDG-4 at Major Dyan Chand Indoor Stadium



SDG – 5

Theme: Building an Inclusive Nation: Uniting for Gender Equality

Department of ECE organized the International Symposium on SDG 5 - “Building an Inclusive Nation: Uniting for Gender Equality” on (1-2) November 2023 at Sir J. C. Bose Hall TP 12th Floor, SRMIST - KTR. It provided a platform for diverse voices to engage in inclusive dialogues, promoting a comprehensive understanding of the challenges and solutions for gender equality.

Pre-symposium events

Name of the event: Awareness Rally with the theme “LEAVE NO ONE BEHIND - UNITING FOR GENDER EQUALITY”

Collaboration: National Service Scheme (NSS) and Unnat Bharat Abhiyan

No. of participants: 150 students and 15 faculty members

Name of the event: ‘Ink and Impact’ - creative poster competition

Theme: Building an Inclusive Nation: Uniting for Gender Equality

This event aimed to bring awareness among the student community about the importance of Gender Equality and to explore their creative potential with unique ideas, which has given opportunity for their artist's skill.

Prizes announced: IEEE SRM SB sponsored the prizes for this event.

I Prize: Aarushi Anand, II Yr CTech Dept, SRMIST-KTR

II Prize: Keerthana. A, II Yr CINTEL Dept, SRMIST-KTR

The SDG 5 symposium was inaugurated on 01 Nov 2023 with the lighting of the kuthuvizhakku by our guest Ms. Esther Mariaselvam and Dr. Shanthi Prince, Convener. The Keynote address was given by Ms. Esther Mariaselvam, Associate Director, Action Aid Association (India). She gave insights into the work done in rural areas toward addressing gender-related challenges. The event was attended by 100 members including SDG 5 registered participants and other SDGs participants. This was followed by a talk “Complimenting Achievements and not Appearances” by Ms. Nallini Olivannan, a lawyer and entrepreneur who threw light on the legal framework and the rights of women.

Ms. Sandhya Ashokkumar, a senior manager from DMI, Detroit, USA joined online and shared her experiences of women in corporate work culture. She stressed on Equal Opportunities and access to resources without gender bias. Day 2 began with Ms. Shinu George, a former State level basketball player, and an SRM alumni giving a view of the challenges of women in sports and physical gaming activities.

Mrs. Ponni.K, Director, Nokia Mobile Networks and Solutions, Bengaluru, spoke on “Gender Equality and Youth Engagement in the VUCA world”. Being in a senior managerial position and leadership role at NOKIA, she gave a truly inspirational talk.

This was followed by the panel discussion on “How to build an Inclusive Nation”.

Panellists from different walks of life shared their experiences and gave suggestions making it an interactive and lively discussion. Dr. M. S. Vasanthi/ECE Dept moderated the discussion. Ms. Ponni from Nokia also joined in and it was a very thought-provoking session.

The afternoon session began with an Invited Talk by Ms. Mariya Kauser, Behavioural, and Life Skills Trainer on "Choosing Empowerment: Women's Journey to Autonomy". This was followed by Dr. Padmaja Priyadarshini, Senior statistician, and Entrepreneur giving insights on Women’s Financial Literacy.

The day concluded with a Hands-on session on Women Empowerment by Mr. Hariharan Vembukrishnan, Softskills Trainer, CDC Department with activities and Q & A session with the trainer.



Hands-on session on Women Empowerment

SDG -6

Theme: Clean Water and sanitation

The SDG-6 events as part of the 2nd International Conference on Higher Education Institute's Challenges & Solutions for Sustainable Development Goals 2023 focused on "CLEAN WATER AND SANITATION" held on 2nd November 2023.

The SDG-6 events comprised three major sessions, featuring **invited talks, panel discussions, and water quality workshops**. The schedule was as follows:

Invited Talks

Dr. Paromita Chakraborty, Professor and Head at the Centre for Research in Environment, Sustainability Advocacy, and Climate Change (REACH), SRM Institute of Science and Technology, welcomed the participants. The notable keynote speakers were **Dr. Daniel Snow**, Professor and Director, University of Nebraska, Lincoln, USA; **Dr. Lidia Minguez-Alarcon**, Assistant Professor, Harvard Medical School, Boston, USA; **Dr. Daniel S. Alessi**, Professor, University of Alberta, Canada; and **Dr. Dimitra Lambropoulou**, Aristotle University of Thessaloniki, Greece.

Panel Discussions

The invited talks were followed by two insightful panel discussions. The first discussion was “**Towards convergence of SDG 6 and SDG 14**” moderated by Chandni Bedi and Manse Bal Bhargava. Distinguished speakers, including Pooja Tendulkar from WICCI Water Resources Council, Nidhi Gupta from W for W Foundation, Vipin Vyas from Navjyoti Indian Foundation, and Rahul Muarildhran from Lemnion Foundations contributed to this enlightening conversation.

The second-panel discussion addressed the “**Need for environmental surveillance in public health management**”. The panel members were **Dr. Zaffar Hashmi**, University of Lahore, Pakistan; **Dr. Magdalena Urbaniak**, University of Lodz, Poland; **Dr. Mukesh Pasupuleti**, CSIR-CDRI, Lucknow; **Dr. Sija Arun**, KMEA Engineering College, Kerala; **Mr. Shirish Harhe**, **Ms. Poorini Sampath** SWASTI-Health Catalyst, Karnataka; and **Mr. Lokesh Mano**, Trichy Municipal Corporation, Tamil Nadu. **Prof. Paromita** expertly moderated this session.

Workshop

The morning session was followed by an engaging workshop conducted by **Essar Lab Mates Horiba**. This workshop was attended by 25 participants, including students and technical experts. It featured technical talks, presentations, demonstrations, hands-on training, and a

networking lunch, enriching participants with practical knowledge and fostering valuable connections.

Poster and Oral Presentation Competition

The highlight of the SDG-6 events was the Poster and Oral Presentation competition held on November 2, 2023, from 2:00 PM to 5:00 PM. Among 74 participants, 24 in oral and 14 in poster presentations showcased their research outputs in clean water and sanitation. These events played a pivotal role in raising awareness and fostering discussions on clean water and sanitation, aligning with the broader goals of sustainable development.



Dr. Paromita Chakraborty, Head REACH honouring Ms. Marit Strand



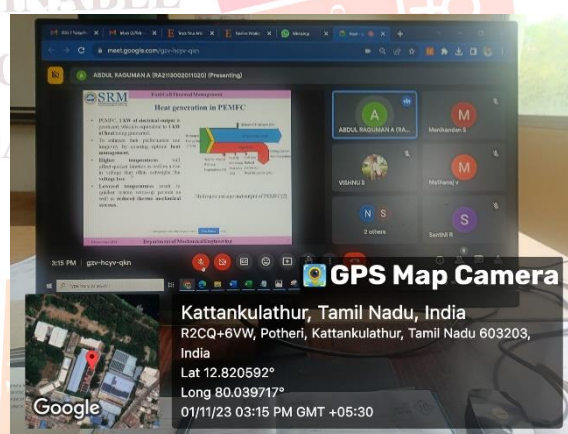
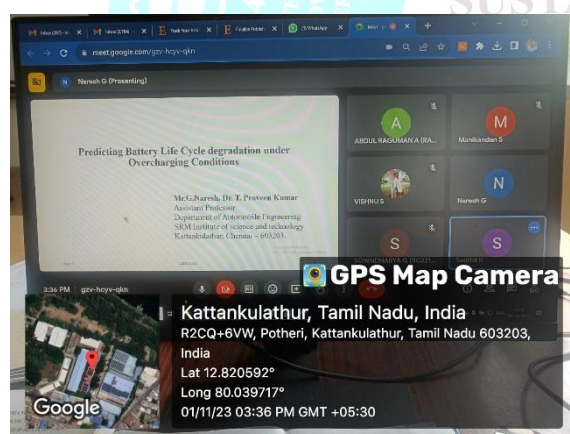
Mr. Jaishankar delivered a special lecture on Chennai Metro water supply.

SDG – 7

Theme: Clean and Affordable Energy

The inauguration of the ICSDG 2023 took place at the Dr. T. P. Ganesan Auditorium on 1st November 2023 at 9.30 am. The program started with lighting of the Lamp followed by the felicitation of the Chief Guest. The Welcome and Presidential Address was presented by Dr. S. Ponnusamy, Registrar of SRMIST.

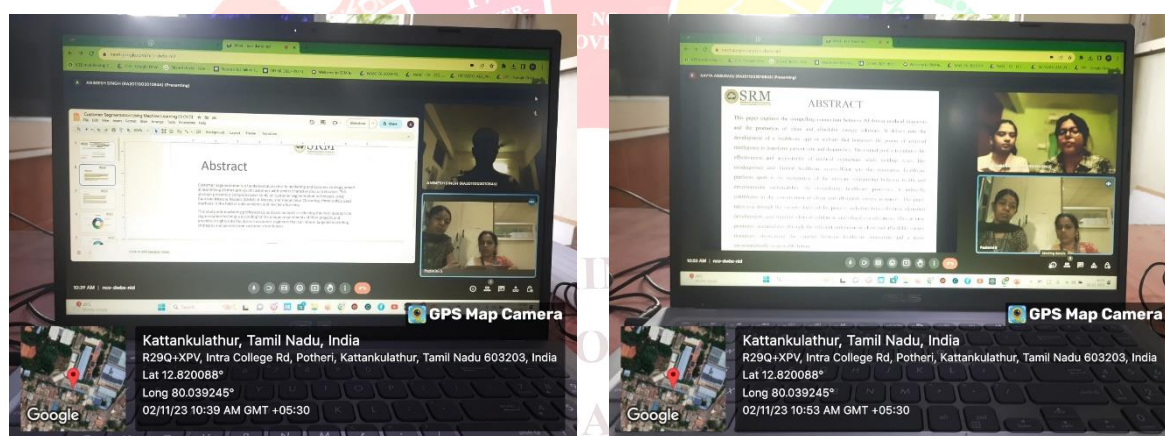
The second session started with a plenary talk by keynote speaker Prof. Ramesh Bansal, University of Sharjah, South Africa. His talk was focused on “Renewable Energy Integration in Smart Grid Environment”. The second session for Day 1 was conducted in Hybrid mode, with several participants participating from across various states. Over 13 papers were received for this vertical. This session was chaired by Dr. S. Manikandan, Asst. Prof. (Research), Dept. of Mechanical Engineering, SRMIST, and Dr. V. Mathanraj, Asst. Prof., Dept. of Mechanical Engineering, SRMIST. The Best paper for this session was awarded to **Dr. B.M. Swami Punniakodi and Dr. R. Senthil**, for their Paper Titled, “Numerical Simulation of PCM Fusion in a horizontal container with a concentric heat transfer tube”.



Day 1 Paper Presentation session at Dept. of Mechanical Engineering, SRMIST

The Second Day started with a plenary talk by keynote speaker Dr. Govarthanan, Professor (Research), Department of Environmental Engineering, Kyungpook National University, Daegu, South Korea. His talk was focused on “Environmental and Health Impacts of Plastics: Challenges and Solutions”, where he enlightened about the hazardous effects of plastics on the environment, health concerns, the potential challenges, and the viable solutions to it. Over 47 Students and Faculty members attended this offline session held at the ‘B’ Block of the Mechanical Engineering Building.

The technical paper presentation session 1 for Day 2 was conducted at the Electrical Science Block. This session was conducted in hybrid mode with participants presenting papers from various places. This session was chaired by Dr. S. Padmini, Associate Professor, Dept. of Computing Technologies, SRMIST, and Dr. K. Subhasharmini, Assistant Professor, Dept. of Electrical and Electronics Engineering, SRMIST. Another session of paper presentation was conducted at the Mechanical Engineering B-block with Dr. D. Premnath, Assistant Professor/Mechanical Engineering, Dr. G. Balaji Associate Professor, Dept. of Mechanical Engineering, SRMIST as the session chair. The Best paper of this Day 2 Session 1 was awarded to **Dr. S. Padmini, Ms. Yasaswini Machineni, and Ms. Sarvika Shree Kondur**, for their Paper Titled, “Solar Powered Agrotech”.



Day 2 Session 1 (Online Session) Paper Presentation at Dept. of Electrical and Electronics Engineering, SRMIST

The second technical paper presentation session of Day 2 was conducted in the afternoon at the Electrical Science Block. This session was chaired by Dr. C. Naveen, Asst. Prof, Dept. of Electrical and Electronics Engineering, SRMIST. The Best paper of this session was awarded to **Dr. S. Padmini, and Mr. Banala Venkatesh**, for their paper titled, “Multiple Device Scheduling of Demand Side Management in Microgrid using Artificial Cell Swarm Optimization”.

On Day 2 and Day 3, a two-day hands-on workshop was conducted on the topic, “Energy Management in /action Real-Time Insights for Sustainability” by Dr. S.R. Sivasasu, Ram Kalam Centre for Energy Consultancy & Training at the Active Learning Lab, Mechanical Engineering B-block.

SDG - 8

Theme: Productive Employment and Economic Growth

Faculty of Management organized an International Conclave on “Productive Employment and Economic Growth” on 2nd November 2023 with the theme of “Decent Work and Economic Growth”. Totally 165 participants have registered in the program. This program was organized in the Prof. Peter Drucker Hall, College of Management, SRMIST, Kattankulathur.

Event started at 9.30 a.m. with the welcome address of Dr. K. T. Vijay Karthigeyan, Co-Convenor of the conclave and Associate Professor, Faculty of Management followed by the Presidential address by Dean Dr. V. M. Shenbagaraman, Convenor of the program. Mr. R. Balaji, Former Senior Deputy Editor at The Hindu Business Line gave the inaugural address and addressed the gathering on the importance of the employee productivity for the growth of any economy with real time examples.

In the second session, Dr. Manoj Kumar Mishra, Professor, College of Business and Economics, Salale University, Ethiopia gave a special lecture in online mode from 11.30 am on the topic of “Employment, Employability and Economic Growth”. Third session, Dr. Gopinath, Principal Scientist, M.S. Swaminathan Research Foundation enlighten the participants on the topic “Social Security for Workers – Analysis of PLFS Data”. He spoke on the importance of social security for workers relating to pay scale.

In parallel, the paper presentation happened online. We have received 121 research articles across the globe from faculty members, scholars, and students out of which 18 of them have shown interest in presenting their article. They were divided into three groups and were made to present online before the three judges (Associate Professors of the Faculty of Management, SRMIST). Dr. Gopinath selected the three best presentations and awarded them.

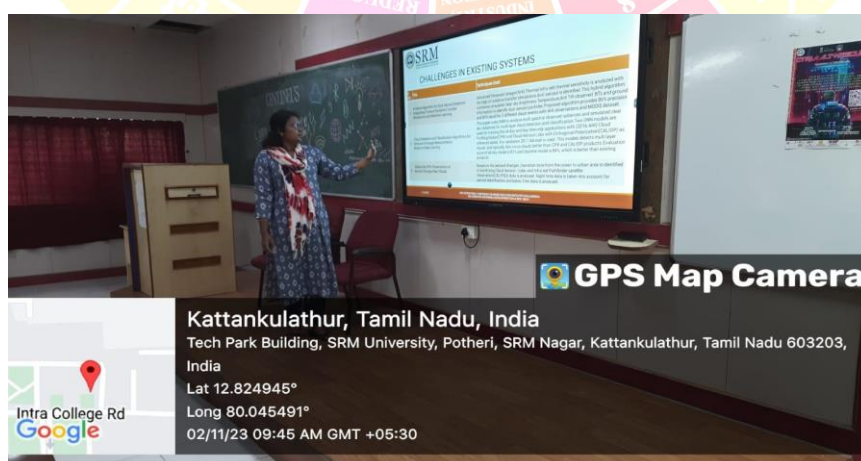


Mr. R. Balaji, Former Senior Deputy Editor at The Hindu Business Line gave the inaugural address and addressed the gathering on the importance of the employee productivity.

SDG – 9

Theme: Industry, Innovation and Infrastructure

The Industry, Innovation and Infrastructure program under SDG#9 was organized by the School of Computing. It commenced with the inauguration program at Dr. T. P. Ganesan Auditorium. The forenoon program proceeded with the first invited talk on the title "Cross-disciplinary Higher Curriculum Design for Computing in Healthcare " by Dr. Kalaivani CHELLAPPAN, Associate Professor, UKM Malaysia, on 01/11/2023, from 11:30 AM to 12:30 PM at TP401. It was then followed by the second invited talk of the day in the afternoon on the title "Driving Sustainable Development: Industry, Innovation, and Infrastructure for a Resilient Future" by Dr. Nalinda Somasiri, Associate Dean, York St John University, London Campus, on 01/11/2023, from 2:00 PM to 3:00 PM at TP401. The aforementioned talks were held online. The second day of the program started with the paper presentations in which about 145 abstracts were received from various faculties, research scholars and students of School of Computing. Out of 145, 80 participants registered for the conference and presented their paper. The presentations were coordinated, led and judged by the faculties of the school of computing. It took place at three different venues, Tech Park401, Tech Park405 and Tech Park106. Simultaneously, an invited talk was held on the topic "The Impact of Cyber Security on Organization" by DR. SOONLEH LING, Senior Lecturer, York St John University, London Campus, UK on 02/11/2023 from 2:00 PM to 3:00 PM at Tech Park, Fourth floor, TP401. On the event's third day, presentations continued until the afternoon, providing a rich intellectual feast for attendees. The invited talks delivered by international speakers proved to be enlightening and thought-provoking, significantly expanding the knowledge base of faculty members, research scholars, and students.



Dr. Kalaivani Chellappan's special address on Innovation and Infrastructures of an Industry

SDG 10

Theme: Reduced Inequalities

Inaugural Session

On 2nd November 2023, the Faculty of Science and Humanities at SRM Institute of Science and Technology (SRMIST) organised the 2nd International Conference on Higher Education Institutes' Challenges & Solutions for Sustainable Development Goals '23, with a focus on SDG 10 “Reduced Inequalities”.

Dr. N. R. Bhanumurthy, the Vice Chancellor of BASE University in Bengaluru, sophisticated the conference with the **Inaugural Address**. He accentuated the importance of hosting a conference, thus recognizing the higher educational institutions to take up decisive role in addressing the challenges posed by SDGs, particularly to the **Goal 10: Reduced Inequalities**. The conference featured the **Keynote address** by **Dr. R. Srinivasan**, a Full-Time Member of the State Planning Commission in the Government of Tamil Nadu.



Prof. James Eric Foster, an eminent Professor of Economics and International Affairs at George Washington University, U.S.A delivered the lecture on Domestic and International policies against poverty.

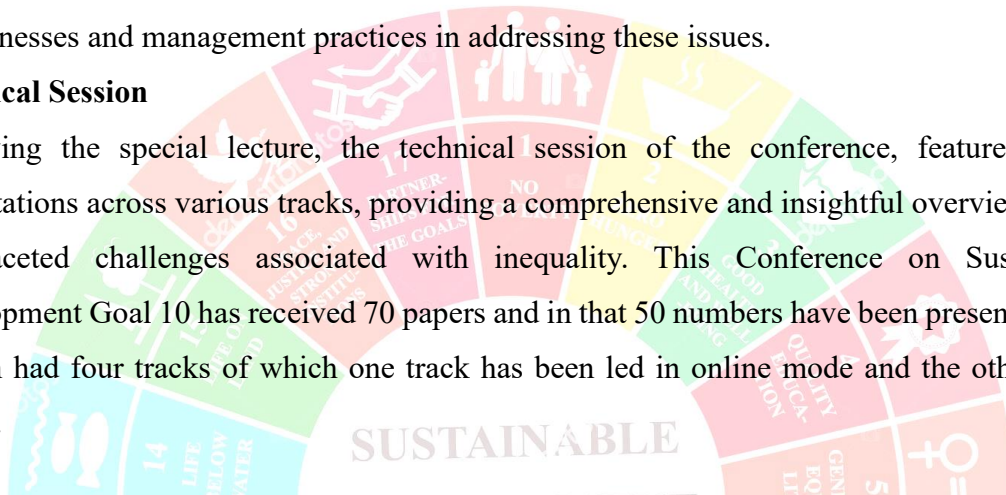


The special lecture was delivered by **Prof. James Eric Foster**, an eminent Professor of Economics and International Affairs at George Washington University, U.S.A. Prof. Foster's lecture enlightened the participants through his sharing on the profound impact of his Research on the development of the directories and their significance in guiding Domestic and International policies against poverty.

The special lecture by **Prof. Ambika Zutshi**, the Management Discipline Leader and Acting Associate Head of Research at the School of Business, University of Southern Queensland, Australia, indicated the challenges and inclinations related to inequality, emphasizing the role of businesses and management practices in addressing these issues.

Technical Session

Following the special lecture, the technical session of the conference, featured paper presentations across various tracks, providing a comprehensive and insightful overview of the multifaceted challenges associated with inequality. This Conference on Sustainable Development Goal 10 has received 70 papers and in that 50 numbers have been presented. The session had four tracks of which one track has been led in online mode and the other three offline.



SDG – 11

Theme: Sustainable Cities and Communities

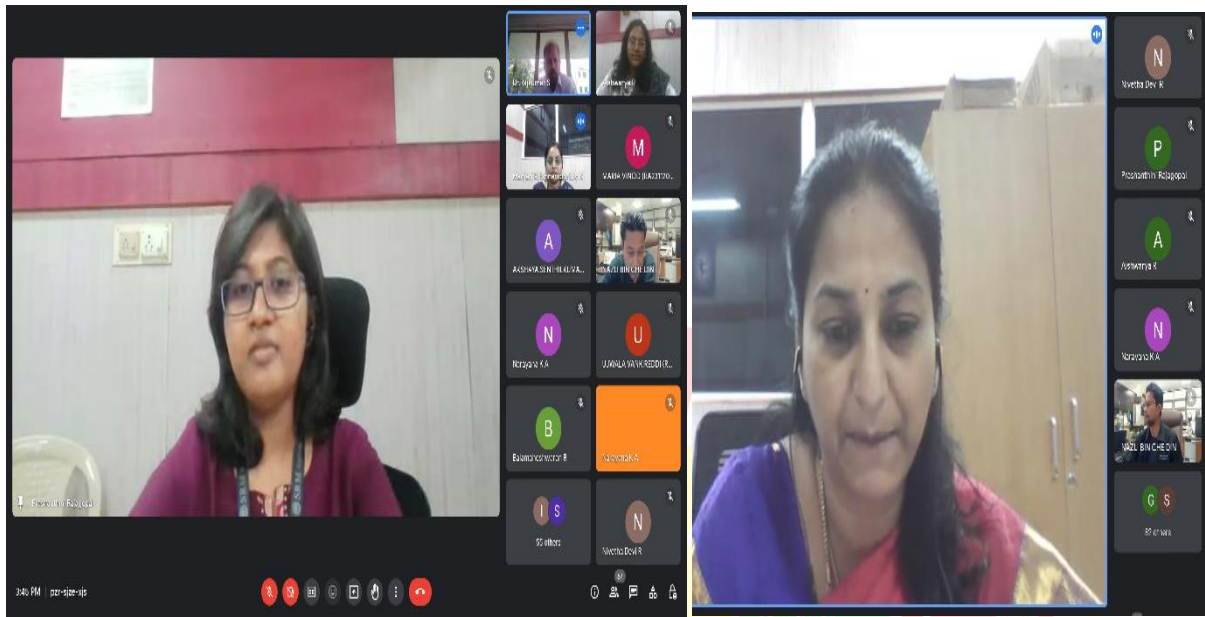
The Event was Inaugurated by Dr. C. Pradeepa, Convenor and gave a welcome address to the audience. Opening speech by professor Dr. K. A. Naryana, highlighting the importance of the conference theme. The entire sessions of all three days were moderated by Ar. Aiswarya, Ar. Prashanthini and other faculty members came forward to introduce the National and international Speakers.

Day 1 featured two keynote sessions by Dr. Nazli Che din, University of Malaya, Malaysia, and Dr. S. Rajkumar, L&T, Chennai. The captivating presentation was offered by prominent guests in architecture and technology, emphasizing the importance of acoustics and sustainability in determining the future of society and technology.

Day 2 began with an enthralling Guest Speaker session by Dr. Peter Aning Anak Tedong, University of Malaya, Malaysia. This session focused on the importance of urban planning and architecture and reflected on the architectural design process, followed by a Question-and-answer session where participants interacted with the speaker. The day was followed by presentations by students and the session was chaired by Dr. Geetha, Professor, Department of Architecture.

Day 2 afternoon, began with an enthralling Guest Speaker session by Dr. Susan Roaf, Herriot Watt University, UK. This session focused on the importance of energy, sustainability, and sufficiency in the architectural design process, followed by a Question-and-answer session where participants interacted with the speaker. The day was followed by presentations by students and the session was chaired by Dr. K. A. Narayana, Professor, Department of Architecture.

Day 3 began with an enthralling Guest Speaker session by Dr. Mahua Mukharjee, IIT Roorkee. This session focused on the importance of urban planning and Resilience in disaster, followed by a Question-and-answer session where participants interacted with the speaker. We had fruitful and interactive session with Guest speaker Dr. Suresh Mariaselvam, UN consultant, Chennai. The day was followed by presentations by students and the session was chaired by Dr. Shanthipriya, Professor, Department of Architecture. Apart from this, we have conducted workshops - Nature photography and Art from waste as pre conference event on 30th and 31st of October. Around 65 students have participated. General feedback from participants was elicited for the success of the conference.



Workshops on Art from waste materials from School of Architecture

SDG-12

Theme: Responsible Consumption and Production

SDG #12 hosted by the Value Education Cell, this hybrid mode conference aims to address the critical aspects of Responsible Consumption and Production, a pivotal element in achieving Sustainable Development Goal #12. Scheduled from November 1 to 3, 2023, this event seeks to enhance awareness and foster knowledge exchange on sustainable practices among diverse stakeholders.

Themes for Panel Discussions:

1. Closing the Loop: Towards a Circular Economy (For Faculty Members). Emphasizes transitioning to a circular economy, focusing on waste reduction, recycling, and sustainable product design.
2. Sustainable Lifestyles: Choices for a Greener Future (For Research Scholars). Explores the impact of individual choices on the environment, promoting sustainable living and behavioural changes.
3. Innovation for Sustainability: Transforming Industries (For Students). Highlights technological advancements that drive sustainable production methods and reduce ecological footprints.

Poster Presentation Theme

1. Theme: "Sustainable Consumption: Nurturing a Circular Future" Encourages the shift to a circular economy model for resource efficiency and long-term well-being. Emphasizes collaboration and innovation for a more sustainable world.

Keynote Speakers

The conference features prominent figures like Vishpala Hundekari, Founder & CEO at Ekibeki, and Dr. P. B. Shankar Narayanan, Assistant Professor at Pondicherry University, among others. Distinguished faculty members, research scholars, and students are actively engaged in panel discussions and presentations, contributing insights from various academic disciplines.

The conference celebrated outstanding contributions across various categories. In the panel discussions, the esteemed faculty recipients were Dr. N Nalini Jayanthi from the Pulmonology department, Dr. Karthika Urkavalan from Anaesthesiology, and Dr. Kala from Pharmacology, recognized for their exceptional insights. Notably, research scholars Dr. Sherin Prabu (Forensic Medicine), Arockiya Rexlin Y (Medical Biochemistry), and Natarajan Thangam Nivasini (Pharmacology) showcased exemplary knowledge in their respective fields. Among the student participants, Kushagra Gajjar (Networking and communications), Mansi Ravat, and Anwesha Sahoo from the MBBS department displayed remarkable dedication and

understanding. The poster presentation winners included individuals from various tracks, such as Niya Shruti, Aleena Sabu, Joshua Amanuel Allan J, Syed Ayesha Anjum, and Ishika Kumar, illustrating commendable research and creativity. Additionally, participants excelled in thematic events like the Food Waste Innovation, where R Parthasarathi (School of Public Health), Trishaa Ramesh, and Sasi Ram showcased innovative approaches. Similarly, in the Thrash to Fash event, Vairamani Naveen, Ashmita Venkateshan, and Pranav Aravind exhibited ingenuity in transforming waste into fashion, reflecting the conference's spirit of innovation and sustainable practices.



Dr. Hemamalini honouring Ms.Sneha verma for her keynote address towards the waste management



Awareness mime by Directorate of student affairs on Plastic pollution

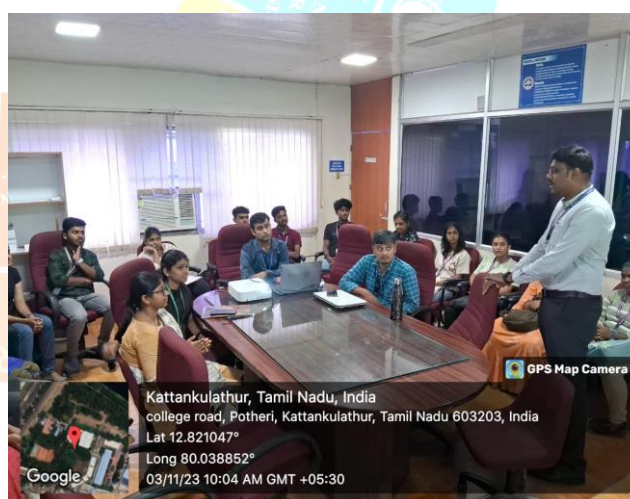
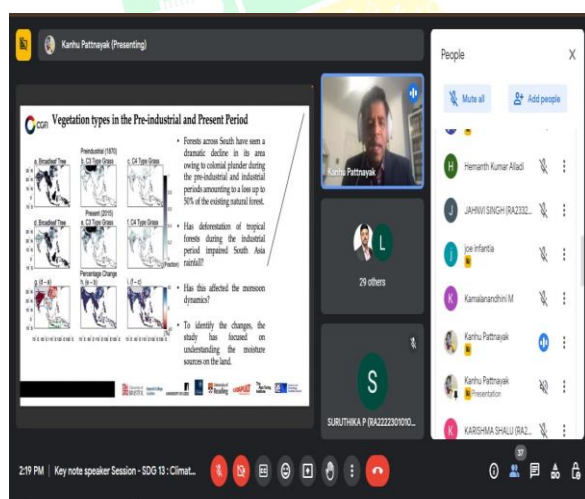
SDG – 13

Theme: Climate Change and Adaptation

On November 2, presentations by various participants including scholars, and students from various institutions. The presentations were held online. The International Conference on SDG 13 provided a valuable platform for multidisciplinary discussions and knowledge exchange on climate action. The diverse range of presentations underscored the complexity of the climate challenge while offering hope through innovative solutions and collaborative efforts.

The presentations by the two keynote speakers delved into critical aspects of climate change, focusing on "Climate Action" by Dr. TUNE USHA and "Impact of Land Use Land Cover Change and/or Increased Greenhouse Gas on Climate of South Asia" by Dr. KANHU CHARAN PATTNAYAK. The discussions centred around the use of HadCM3 simulations to understand climate dynamics in the South Asian context.

On November 3, Dr. ALLADI HEMANTH KUMAR, a prominent expert in Clouds and Atmospheric aerosols, delivered a keynote presentation on the effects of climate change on Earth's atmosphere. The presentation aimed to provide a comprehensive understanding of the impact of human activities on our planet's atmospheric conditions. His presentation effectively communicated the urgency of addressing climate change and its direct impact on Earth's atmosphere. The integration of data, visuals, and expert insights provided a holistic view of the challenges we face and the actions required for a sustainable future.



Dr. KANHU CHARAN PATTNAYAK delivered a keynote address on HadCM3 simulations to understand climate dynamics in the South Asian context

SDG 14: Life Below Water

Theme: Life Below Water

The International Conference on “Advancement and Understanding Life Below the Surface through Aquatic Exploration” organized by the Department of Biotechnology, College of Science and Humanities & College of Engineering and Technology, held at SRM Institute of Science and Technology on 1st November to 3rd November, brought together a diverse and enthusiastic group of experts, scientists, researchers, policymakers, and advocates who share a common passion for the World's Water Resources. The conference was organized in alignment with the United Nations Sustainable Development Goal 14: Life Below Water, and it aimed to promote the advancement of knowledge, awareness, and collaboration to address the challenges facing our oceans.

Scientific Presentations

With the participation of more than 250 Students, Researchers, and Scientists from various departments and 63 candidates have presented their latest findings and discoveries on the SDG 14 concept in this Conference. These presentations shed light on innovative technologies, scientific breakthroughs, and conservation strategies that can help us better understand and protect life below the surface.

Keynote Addresses

Dr. T.T. Ajith Kumar, Principal Scientist & Head, Centre for Peninsular Aquatic Genetic Resource, NBFGR, Kochi has shared his insights on innovative approaches to marine conservation, emphasizing the importance of community engagement and interdisciplinary collaboration. Dr. Antony Johnson, Scientist F & Head, Department of Habitat Ecology, Wildlife Institute of India, Dehradun has enlightened the audience on habitat conservation strategies and the role of technology in monitoring freshwater habitats. Dr. Oliana Carnaveli, Department of Marine Sciences, Universita Politecnica, Italy has shared insights on the development, monitoring, evaluation, and management of fish qualities in captivated conditions.

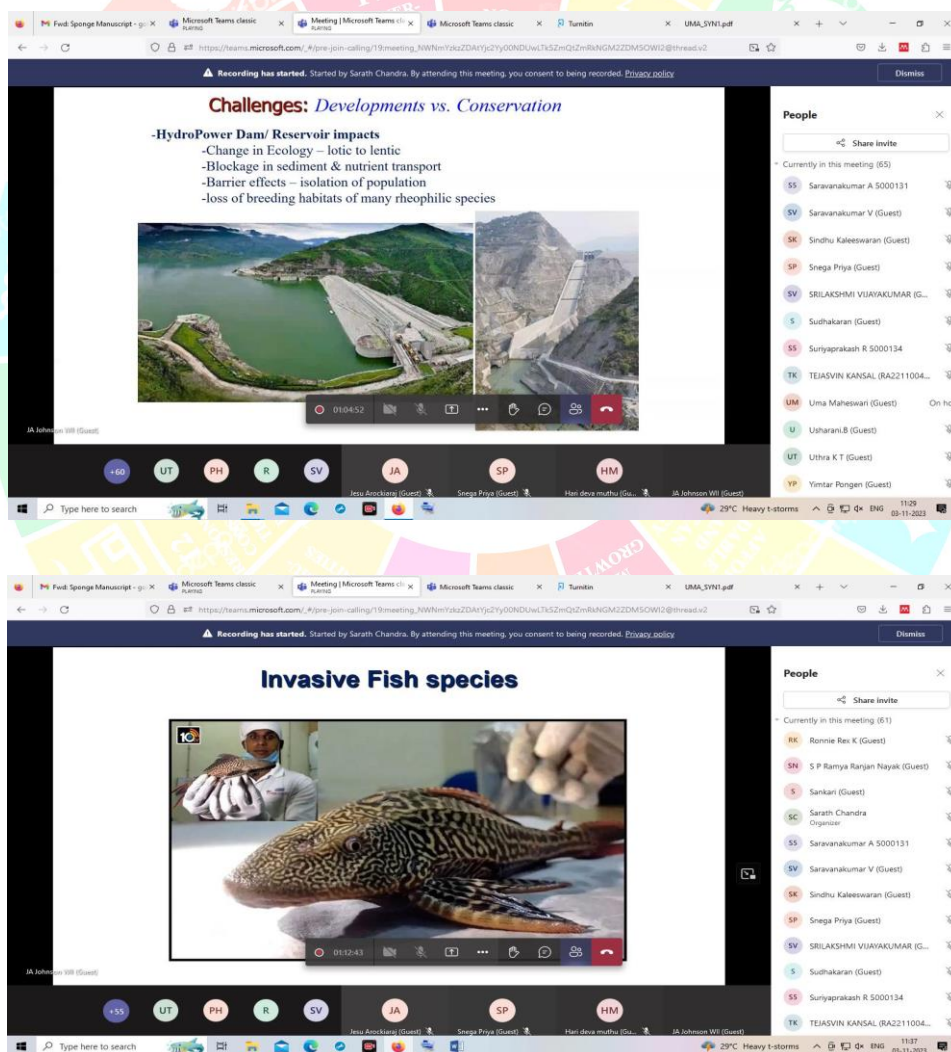
Panel Discussions

The heart of the conference was a series of insightful panel discussions and knowledge exchange among attendees, featuring Dr. T.T. Ajith Kumar, Dr. Antony Johnson, and Dr. Oliana Carnaveli. These discussions covered a wide range of topics, including ocean pollution, overfishing, habitat degradation, and the impacts of climate change. These interactions were instrumental in encouraging interdisciplinary approaches to ocean sustainability.

Policy and Advocacy

Based on the discussions and presentations, the conference generated valuable policy recommendations. These suggestions encompassed areas such as implementing stricter regulations on marine pollution, promoting sustainable fisheries management, and investing in research and technology to monitor and conserve marine and freshwater habitats. These recommendations will be compiled into a comprehensive report and shared with relevant stakeholders and policymakers.

The SDG-14 Conference served as a dynamic platform for knowledge dissemination, collaboration, and policy development in marine exploration and conservation. The event highlighted the significance of youth involvement, scientific innovation, and international cooperation in achieving the goals outlined in Sustainable Development Goal 14.



Dr. T.T. Ajith Kumar delivers a keynote on Development vs Conservations

SDG - 15

Theme: Life on Land

The International Conference on SDG: 15 Life on Land was organized in the SRM College of Agricultural Sciences, Vendhar Nagar, Baburayanpettai (Acharapakkam Campus) on 2nd November 2023 in association with REACH, Directorate of Research, SRMIST.

Conference Objective

- To kindle the interest and foster innovative ideas for protecting the ecosystem among the students and researchers.
- To showcase the constraints and solutions in Climate-Smart Natural Resource Management.
- To sensitize the youth to develop new business ideas to ensure life on land without exploiting natural resources.
- To promote agricultural activities through sustainable management of natural resources.

Conference Themes

- Climate Change and Ecosystem Functioning
- Forest Ecology and Biodiversity
- Sustainable use of Natural Resources
- Climate-smart Agricultural practices

Invited Lecture 1

Prof. Dr. Santiago Mahimairaja had connected online from Sugar Research Institute, Fiji Islands, and delivered the lecture on 'Soils: where Life and Food Begin'. The increasing risk of Cadmium ions in the food web was discussed.

Invited Lecture 2

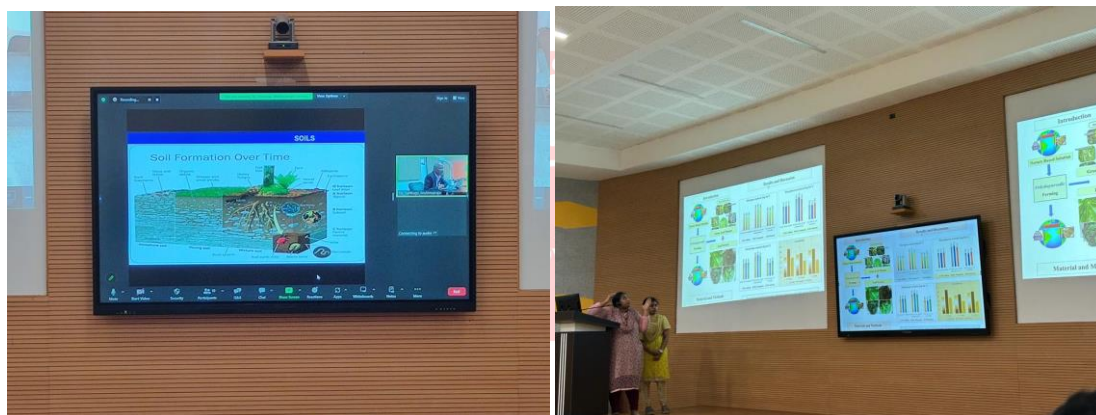
Dr. A. Balasubramanian, Dean (Forestry), Forest College and Research Institute, Mettupalayam, has delivered his lecture on 'Forest Ecology and Conservation'. The details on forest ecology and the way and means to conserve the forest were illustrated to the gathering.

Invited Lecture 3

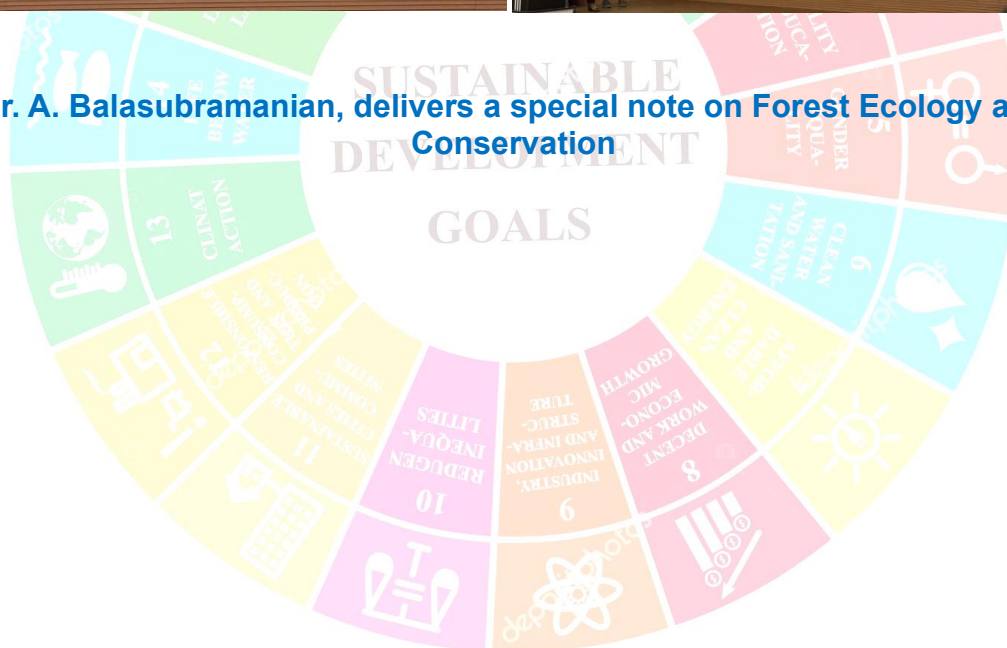
Dr. S. Radhakrishnan, Professor and Head, Department of Silviculture and Natural Resource Management, Forest College and Research Institute, Mettupalayam, has delivered the lecture on 'Impact of Climate Change on Forest'. The impact of climate change on the decrease in forest cover was elucidated to the audience.

Conference: SDG 15

More than 130 participants were present for the event both online and offline mode and the students and faculty presented their research to the panel under the four sub-themes: Climate Change and Ecosystem Functioning, Forest Ecology and Biodiversity, Sustainable Use of Natural Resources and Climate Smart Agricultural Practices. The best presentations were selected and awarded in the valedictory session on 3rd November 2023 at the Valedictory function at SRMIST.



Dr. A. Balasubramanian, delivers a special note on Forest Ecology and Conservation



SDG - 16

Theme: Peace, Justice and Strong Institutions

School of Law, SRMIST, Kattankulathur had successfully conducted 3-day international conference in hybrid mode on SDG-16. “Peace, Justice & Strong Institutions”, from November 1st to 3rd, 2023. The program organising committee was formed under the convenorship of Prof. Dr. J Vincent Comraj and Mr. V Mahalingam as Co-Convener for the Committee.

The international advisory committee of the event comprises the following eminent personalities in the field of law and legal education.

- Ms. Harshita Ram (International Disputes Attorney, Arbitrator, Mediator. Founder of Lex Apothek Michigan USA)
- Mr Robert J Shawyer (RICS Dispute Review Board Panel Member and Managing Director USA)
- Mr. Edward F Hartfield (Adjunct Professor, Michigan State University)
- Mr. Inbaibijayan Veeraraghavan (Global Advisor of Arbitration Institution, KFCRI, International arbitrator)

A total of 94 registrations were received out of which there were 65 paper presentations.

SESSION - 1

Technical Session 1 started on Nov 1st at 2 pm with an introductory session by Dr. Anchal Mishra, Prof & HOD of English and foreign languages, SRM Delhi NCR Campus. The session was very invigorating with interesting videos and enticing PowerPoint presentations. The introductory session of Technical Session 1 was followed by paper presentations under the sub-theme “Role of Arbitration in sustainable development” chaired by Prof. Dr. Aneesha Shams, Principal of Co-operative School of Law, Kerala. Technical Session 1 was continued by two international guests, Ms Harshita Ram, International Attorney and Arbitrator from Michigan, USA and Mr. Edward Hardfield, Adjunct Professor, Michigan University, USA.

SESSION - 2

The session 2 started on day 2 at 11 am with the technical session held by Dr. Rajasekar, Assistant Professor, Head in charge of the Department of Legal Studies, University of Madras. He focused on the role of international humanitarian law in achieving SDGs. Technical session 2 was followed by paper presentations under the theme “Sustainability through security” Accountability and engagement during times of crisis chaired by Ms. Jeffy Alice Jacob, Assistant Professor, ILS Law College, Pune.

SESSION- 3

Session 3 was on day 2 (November 2nd) at 2pm. The guest speaker for the session was Mr. Inbavijayan Veeraraghavan, Alternative Dispute Resolution Specialist focusing on International Commercial Arbitration.

SESSION- 4

Session 4 was held on day 3 (November 3) at 11am. The guest speaker for the session was Prof. Dr. Vijay Kumar Singh, Professor and Dean, Faculty of Law, SRM University, NCR Delhi Campus. He discussed on “How AI can be a tool to establish good governance, transparency and justice.



Paper presentations on the topic of Role of Arbitration in sustainable development



SDG – 17

Theme: Partnership Goals

The pivotal Sustainable Development Goal (SDG) 17, centred on fostering partnerships for the achievement of all SDGs, through a collaborative initiative involving the REACH department, IIISM, Chemical Engineering, and the Directorate of Research. This multidisciplinary effort aimed to deepen the understanding of global issues and sustainable solutions among students and researchers. The event featured insightful oral presentations and keynote addresses from eminent speakers, elevating the discourse on renewable energy, wastewater treatment, plastic waste pollution, and innovative approaches to harnessing energy from waste materials. Dr. Pankaj Kumar, a National Technical Expert at UNIDO, New Delhi, shared his expertise on sustainable practices, while Ms. Emmy Noklebye, a Research Scientist from the Norwegian Institute for Water Research (NIVA), Norway, provided a global perspective on environmental challenges.

The Ramanujan Hall at Tech Park became the virtual nexus for knowledge dissemination on November 2nd, 2023, as students and faculty gathered via Google Meet to absorb the wealth of information shared by the keynote speakers. Dr. K. S. Jayachandran, Product Manager at Spinco Biotech Pvt Ltd, and Dr. Devindran, Technical Analyst at PerkinElmer, added a dynamic dimension to the discussions by emphasizing the significance of Industry-Academic Collaboration. They delved into market demands, identified gaps, and showcased advanced analytical techniques, such as FTIR, for contaminant analysis.

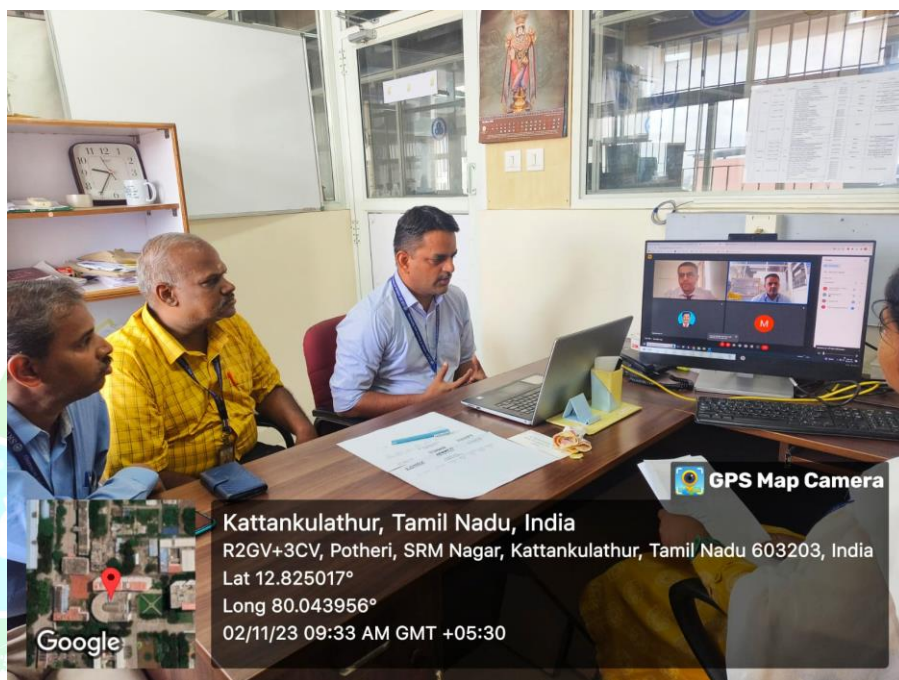
A diverse audience comprising students from REACH, IIISM, Chemical Engineering, Chemistry, Biotechnology, and Civil Engineering actively participated in the presentations, showcasing the interdisciplinary nature of the SDG 17 partnership event. The engagement of research scholars alongside students underscored the collaborative spirit that such initiatives seek to foster.

In terms of participation, the event drew registration from 45 students, each contributing to the collective exploration of innovative solutions for global challenges. As the SDG 17 partnership initiative continues to unfold, it serves as a testament to the university's commitment to cultivating a generation of informed and proactive individuals dedicated to the principles of sustainability and global cooperation.

Oral Presentation Prize Winners: -

ORAL PRESENTATION THROUGH GOOGLE MEET:

1. First Prize – Dr. R. Azhagu Raj (St.Xavier's College, (Autonomous) Palayamkottai)
2. Second Prize – Rishi Praneash K B – (Chemical Engineering, SRMIST, KTR)



Dr. Emmy presented the concept of partnership goals.



Special lecture on Solar water heater technology by Dr. Pankaj Kumar.

The valedictory function of the 2nd International Conference on Higher Education Institute's Challenges & Solutions for Sustainable Development Goals (ICSDBG) culminated on November 3rd at the Medical New Seminar Hall. Prof. Paromita Chakraborty extended a warm welcome to all attendees, setting the stage for the concluding ceremonies. Tmt. S Madhumathi IAS, the Managing Director of Tamil Nādu Small Industries Development Corporation, delivered the valedictory address remotely, underlining the significance of sustainable development within small industries. The Guest of Honour, Prof. Sukumar Devotta, a Professor of Eminence at Anna University, enriched the event with insightful reflections on sustainable practices and their integration into academic curricula.

Dr. Suriyaprakash, scientist (REACH), presented an inclusive and insightful overview encapsulating the essence of the three-day conference. Notably, certificates and mementos were awarded to deserving recipients, acknowledging their contributions and innovative approaches toward addressing each of the 17(SDGs).The ceremony drew to a close with Dr. Jesu Arockiaraj expressing heartfelt gratitude, extending thanks to all participants, speakers, organizers, and contributors who played pivotal roles in making ICSDBG a fruitful and enlightening event.





Award and Prize winners during Valedictory