Summer school for Children (1st May 2023 to 11th May 2023) is conducted at School of Science, GSFCU, Vadodara

Theme: Green Chemistry

Time: 7 – 8 PM from 1st May 2023 to 11th May 2023 (7th May being Sunday, declared holiday)

Lecture schedule

Day and Date	Topic	Speaker
Monday, 1st May 2023	Glucose production from biomass	Dr Indra Neel Pulidindi, India Email:indraneel.pulidindi@gsfcuniversity.ac.in
Tuesday, 2nd May 2023	Bioethanol production from biomass	Dr Indra Neel Pulidindi, India
Wednesday, 3rd May 2023	Biodiesel production from biomass	Dr Alex Tangy, Israel Email: alex.tangy@gmail.com
Thursday, 4th May 2023	Supercapacitors are green energy storage devices	Dr Sangaraju Sambasivam United Arab Emirates Email: samba.physics@gmail.com
Friday, 5th May 2023	Green cyanating agents	Dr Siddique Ahmad, Pakistan Email: doctormsahmad@gmail.com
Saturday, 6th May 2023	Levulinic acid production from biomass	Dr Indra Neel Pulidindi, India
Monday, 8th May 2023	Organic luminescent materials	Dr Fahmeeda Kausar, Pakistan Email: fchemist32@gmail.com
Tuesday, 9th May 2023	Biomedical applications of graphene	Dr Archana Deokar, India Email: archanardeokar83@gmail.com
Wednesday, 10th May 2023	Conversion of CO_2 to fuels and chemicals	Dr Indra Neel Pulidindi, India
Thursday, 11th May 2023	Carbon fiber reinforced composites	Dr Yang Chongchong, China Email: chchyang@sjtu.edu.cn

Preface:

Today's children are tomorrow's citizens. It is necessary to develop in children a sense of responsibility as well as awareness of the challenges around and ahead so that they will be well-equipped to deal with them and will be successful in their chosen career. Ever since, the organizer of this winter school, was a research scholar at IIT M, he was introduced to the noble endeavor of taking the scientific breakthroughs to school going children through Children's club lectures by his teacher Professor B Viswanathan. This endeavor is to continue the tradition of motivating the children by enriching their knowledge in the recent advances in Science and Technology so that they will be aware of the global problems and will be equipped with possible solutions. The theme for this year's (2022) winter school is "Green Chemistry" and the lectures are focused mainly on clean energy, and green materials. The reason for choosing this topic is obvious. Energy shortage and environmental pollution and the accompanied climate change are the main problems facing humanity in the 21st century. **The participation to the summer school is free**. All the school and college (XI and XII) going students are encouraged to participate in the 10 days (from 1st May to 11th May 2023) summer school to enrich their knowledge on "Green Chemistry". **The lecture notes of all the 10 lectures will be made available for free to the participants in the form of a e-book for revision and practice.** Interested students can register for the online lectures by sending email to Dr Indra Neel Pulidindi at indraneel.pulidindi@gsfcuniversity.ac.in.

Students registered for the winter school:

S No	Name of the student/participant	School/College
1	Master Adarsh Ayyappa Das	9th standard, Vanavani Metriculation higher secondary School, IIT Mardras
2	Mr Ahamed Noufal	XI standard, Kendriya Vidyalaya, CLRI, Chennai
3	Master Ibrahim Mohammad	9th standard, Kendriya vidyalaya, CLRI, Chennai
4	Miss Sri Kavya	XI standard, Vanavani Metriculation higher secondary School, IIT Madras