

Summer school for Children (from 20th May to 31st May 2022) is conducted at Jesus's Scientific Consultancy for Industrial and Academic Research (JSCIAR)

Theme: Green Chemistry

Time: 10 – 11 AM from 20th to 31st May 2022 (22nd and 29th May, being Sundays, declared holidays)

Lecture schedule

Day and Date	Topic	Speaker
Friday, 20 th May 2022	Glucose production from biomass	Dr Indra Neel Pulidindi, India
Saturday, 21 st May 2022	Bioethanol production from biomass	Dr Indra Neel Pulidindi, India
Monday, 23 rd May 2022	Biodiesel production from biomass	Dr Alex Tangy, Israel
Tuesday, 24 th May 2022	Levulinic acid production from biomass	Dr Indra Neel Pulidindi, India
Wednesday, 25 th May 2022	Green cyanating agents	Dr Siddique Ahmad, Pakistan
Thursday, 26 th May 2022	Conversion of CO ₂ to fuels and chemicals	Dr Indra Neel Pulidindi, India
Friday, 27 th May 2022	Organic luminescent materials	Dr Fahmeeda Kausar, Pakistan
Saturday, 28 th May 2022	Biomedical applications of graphene	Dr Archana Deokar, India
Monday, 30 th May 2022	Catalytic applications of graphene	
Tuesday, 31 st May 2022	Carbon fiber reinforced composites	Dr Yang Chongchong, China

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 the career they choose. Ever since, the organizer of this summer 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 equipped with possible solutions. The theme for this year's (2022) summer school is "Green Chemistry" and the lectures are focused mainly on clean energy, and green materials, as 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 day (20th May to 31st May 2022) 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 indraneelp@jesusconsultancy.com.