



Program Schedule
ATAL Academy Sponsored FDP
on

Sustainable Green Composites: Design, Manufacturing and Characterization

August 09-13, 2021

Organized by

Department of Mechanical Engineering
 National Institute of Technology Meghalaya



Date & Time		10.00-11.55 am	12.00-2.00 pm	3.00-5.00 pm
09/08/2021 (Monday)	Inauguration 9.00-9.30 am	<u>Session-1</u> Speaker: Prof. P.N. Rao (University of Northern Iowa, USA) Topic: Introduction to Sustainable Manufacturing and Its Characterization	<u>Session-2</u> Speaker: Prof. A. Satapathy (NIT Rourkela) Topic: Introduction to Green Composites	<u>Session-3</u> Speaker: Dr. S. Zafar (IIT Mandi) Topic: Manufacturing of Polymer Composites Using Microwave Energy
		<u>Session-4</u> Speaker: Dr. P.K. Bajpai (NSUT Delhi) Topic: Processing of Mat Reinforced Laminated Green Composites	<u>Session-5</u> Speaker: Dr. B. Das (NIT Silchar) Topic: Thermomechanical Behavior of Hybrid Filler Reinforced Epoxy Composite: A case study	<u>Session-6</u> Speaker: Prof. A. Satapathy (NIT Rourkela) Topic: Stress Management
11/08/2021 (Wednesday)		<u>Session-7</u> Speaker: Dr. A. Singh (NIT Patna) Topic: Development & Mechanical Characterization of Green Composite Materials	<u>Session-8</u> Speaker: Dr. S. Singh (PEC, Chandigarh) Topic: Sustainable Electrochemical Discharge Machining of Composite Materials	<u>Session-9</u> Speaker: Dr. S. Biswas (NIT Rourkela) Topic: Natural Fiber Reinforced Polymer Composites: Challenges & Opportunities
12/08/2021 (Thursday)		<u>Session-10</u> Speaker: Dr. P.K. Rakesh (NIT Uttarakhand) Topic: Processing & Characterization of Bio-composites	<u>Session-11</u> Speaker: Prof. I. Singh (IIT Roorkee) Topic: Green Composite Products: Opportunities in Design & Manufacturing	<u>Session-12</u> Speaker: Dr. S. Chaitanya (Chandigarh Engineering College) Topic: Primary Manufacturing of Green Composites
13/08/2021 (Friday)		<u>Session-13</u> Speaker: Dr. M.K. Gupta (MNIT Allahabad) Topic: Biocomposites & Bionanocomposites for Sustainable Products	<u>Session-14</u> Speaker: Prof. I. Singh (IIT Roorkee) Topic: End-of-life Management Practices for Composite Materials	<u>Session-15</u> Examination/Feedback/ Valediction

Coordinators: Dr. Kishore Debnath & Dr. Biplab Kumar Debnath