

FRENCH-INDIAN WORKSHOP ON

POLYMER NANOCOMPOSITES AND APPLICATIONS - 2026

Institut Jean Lamour, CNRS, Université de Lorraine, F-54000, Nancy, France

October 19, 2026 – 9:30 am

Room Alnot 4-A014, IJL

PROGRAMME SCHEDULE

9:30 – 10:00	CNRS-IJL International Research Project – Mahatma Gandhi University. Past and future projects on advanced polymer nanocomposites for micro-actuator, energy harvesting devices and other applications. <i>Prof. Didier Rouxel, Institut Jean Lamour, Université de Lorraine, France</i>	
10:00 – 10:30	Recent Advances in Nanocellulose for Water Purification. <i>Prof. Sabu Thomas, Mahatma Gandhi University, Kerala, India</i>	
10:30 – 11:00	Advanced PVDF-Based Nanocomposites for Flexible Energy Harvesting and Self-Powered Devices. <i>Dr. Chitra Lekha C S, Mahatma Gandhi University, Kerala, India</i>	
11:00 – 11:30	Coffee Break	
11:30 – 12:00	Novel Functional Polymer Nanocomposites for Potential Applications. <i>Prof. Nandakumar Kalarikkal, Mahatma Gandhi University, Kerala, India</i>	
12:00 – 12:30	Investigation on Structural, Thermal, and Dielectric Properties of BiFeO ₃ Integrated PVDF Electrospun Nanofibers for Energy Harvesting Applications. <i>Ms. Nayana Asaletha Gireesh, Institut Jean Lamour, Université de Lorraine, France</i>	
12:30 – 14:00	Lunch Break	
14:00 – 14:30	PVDF Terpolymer-Based Multifunctional Nanocomposites for Energy Storage and Energy Harvesting from Fine Motor Movements and Stray Magnetic Fields. <i>Prof. Isabelle Royaud, Institut Jean Lamour, Université de Lorraine, France</i>	
14:30 – 15:00	Microcapsule loaded with an active substance / application in oncology. <i>Dr. Stefan MC Murtry, Institut Jean Lamour, Université de Lorraine, France</i>	
15:00 – 15:15	Impact of Electrospinning on the Thermal and Structural Properties of PLA Stereodiblock Copolymers. <i>Ms. Antía Santiago Alonso, LMOPS, Université de Lorraine, France</i>	
15:15 – 15:30	Probing Structural Evolution in PLA by In Situ Raman Spectroscopy: From Thermal to Strain-Induced Crystallization. <i>Ms. Lise Marchand, Institut Jean Lamour, Université de Lorraine, France</i>	
15:30 – 16:00	Coffee Break	
16:00 – 16:30	Formulation of Iron Oxide Nanoparticle/PLA Solutions for the Electrospinning of Magnetic Fibers. <i>Dr. Emmanuel Lamouroux, Institut Jean Lamour, Université de Lorraine, France</i>	
16:30 – 17:00	Raman spectroscopy: an effective real time method to study polymers microstructures and micromechanisms of deformation. <i>Dr. Marc Ponçot, Institut Jean Lamour, Université de Lorraine, France</i>	