A Memorandum of Understanding (MOU) was signed between **Institute of Wood Science and Technology (IWST)**, Bengaluru and **Spectrus Informatics Private Limited (Spectrus), Bengaluru** at IWST on 29th April 2016. The MOU was signed to develop innovative technologies and to commercialize bamboo fiber reinforced thermoplastic composites materials for mass production and high value applications.

The MOU was signed by **Mr. Surendra Kumar, IFS Director,** IWST and **Mr. Mahadev Chikkanna, Director,** Spectrus in presence of **Mr. N. Mohan Karnat, Group Coordinator (Research)**, the Division Heads of IWST and Wood Polymer technology innovators Dr. Pankaj Aggarwal and Dr Shakti Chauhan.

IWST has capabilities and expertise in wood-polymer composites including research and development of bamboo-polymer composites. Spectrus is specialized in providing advanced engineering solutions to clients within and outside India using composite materials. Spectrus desires to develop and commercialize bamboo fiber reinforced composites materials for mass production suitable for industrial and consumer applications. IWST shall support Spectrus with research and development, and Spectrus will play an important role in product engineering and commercialization.

At the event, Mr. Surendra Kumar congratulated on this key milestone and said, “this is one of the first MOUs signed by IWST. This will enable us to work closely with industry, invest in research and development of technologies having high commercial and environmental value and help industries adopt these technologies rapidly.”

The scope of work includes compounding of bamboo fibers with thermoplastic resins for various needs, testing, validation, material characterization of the bamboo fibers/bamboo fiber composites, prototype development.

Mr. Mahadev Chikkanna said, “together with IWST and our international partners, we are keen to create a new global economy using bamboo-polymer composites. We are convinced that bamboo has tremendous potential due to its abundant availability, excellent mechanical properties and increasing demand for such environment friendly materials.”


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