



VIJAY KUMAR

From Sweden to France



Project: **Exploring research and collaboration within the area of textiles**

Research topic: **Engineering**

Swedish Institution: **The Swedish School of Textile, University of Borås**

French Institution: **ENSAIT, Roubaix; CETI, Tourcoing; ENIM, Metz**

Dates of mobility: **19/09/2023** to **22/09/2023**

Program: **SFVE-A**



PRESENTATION

[Vijay Kumar](#) holds the position of Associate Professor (Docent) in Textile Management at [The Swedish School of Textiles, University of Borås \(UB\) in Sweden](#). Dr. Kumar has an interdisciplinary research background within the field of textile management and textile technology. His area of research within the field of textile management focuses on value chain management, where he pursues theoretical modeling and data-driven research. Furthermore, within the field of textile technology, his research focuses on the mechanics of textile structures including textile nonwovens and nonwoven-like materials such as CNT buckypapers.

ACTIVITIES IN FRANCE

During the visit to France, Dr. Kumar explored various institutions, including [Ecole Nationale Supérieure des Arts et Industries Textile \(ENSAIT\)](#) in Roubaix, [Centre Européen des Textiles Innovants \(CETI\)](#) in Tourcoing, and [Ecole Nationale d'Ingénieurs de Metz \(ENIM\)](#) in Metz. The first day of the visit to ENAIT aimed to explore its research facilities and discuss potential collaborations for research and education in textiles, given the prominence of both the Swedish School of Textiles and ENSAIT in Europe. Dr. Kumar engaged in discussions with [Prof. Vladan KONCAR](#) and [Prof. Xianyi ZENG](#) to explore the possibility for collaboration on a joint doctorate (cotutelle) between ENSAIT and UB. Subsequently, on the second day, Dr. Kumar visited the recycling and nonwoven facilities at CETI, organized by [Simon FREMEAUX](#), Fiber Business Unit Director. The discussions continued on potential joint EU applications focused on textile recycling and the circular economy. The third day of the visit was dedicated to exploring the research and testing facilities at ENIM, including [Laboratoire d'étude des microstructures et de mécanique des matériaux \(LEM3\)](#). Dr. Kumar engaged in discussions with [Prof. Zitouni AZARI](#) and Dr. [Julien CAPELLE](#) for possible collaborations on interdisciplinary research projects.