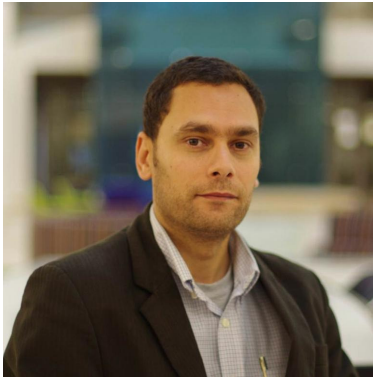


Title : From Fibres to Fabrics: A Multiscale Approach to Sustainable Textiles



Dr. Sofiane Guessasma is a senior research scientist at INRAE, Nantes, France. He is also a byfellow of the Churchill College, university of Cambridge, UK. His research interests focus on understanding and enhancing engineering processes, modelling the behaviour of bio-sourced materials and structures at the microstructural level, and developing innovative paradigms to improve the functionalities of structured materials. Currently, he is actively engaged in research on additive manufacturing of bio-sourced materials. His expertise extends to critical topics in mechanical engineering, materials processing, and materials science. He has made significant contributions to microstructural analysis of material performance, mechanical modelling, image analysis, and in-situ experimental techniques. To date, he has published over 180 papers spanning diverse research domains.