

Junior Researcher Mentoring Programme

2023

Code:	JRMP2023_49
School / Department:	School of Fashion and Textiles
Name of Research Team Member(s):	Dr Yick Kit Lun, Associate Professor Dr Huang Tsai Chun, Research Assistant Professor
Research Topic:	Behind the Design of Activewear and Sports Fashion
Short Description of the Research Project:	<p>Activewear is not merely a fashion item that results in a good fit and/ or accommodates an active lifestyle. It is worn to enhance performance with emphasis on functionality and protect wearers from injuries during sports activities. Anatomically designed activewear is among the most innovative products that has incorporated numerous new ideas and concepts into the use of materials and their product design.</p> <p>This project aims to provide students with the technical knowhow behind the design of activewear and sports fashion which integrates both design and technology aspects. Participating students are guided to understand the complex problems of fit, support, functionality and practical use of different activewear. A novel design and development approach will incorporate the use of 3D body scanning techniques, and body anthropometry study, as well as advanced fabric structures, new design features and functional materials. These will be introduced to address the stringent requirements in the design of activewear for various end-users and sports activities. The biomechanical and psychophysiological response of the human body in response</p>

	to various design features of activewear can also be objectively quantified. The findings therefore provide fashion designers with insight into material properties and design features necessary for optimal protection, comfort, free body movement and sporting performance in sports competitions.
No. of Places Offered:	4
Frequency of Meetings:	Bi-weekly
Special Requirement(s):	Nil

** The information presented above is subject to change.*