



**Prof. Dr. Ishak Ahmad**

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Dr. Ishak Ahmad is currently a Professor at the School of Chemical Sciences and Food Technology, Faculty of Science and Technology, Universiti Kebangsaan Malaysia (UKM) specializing in biocomposites, polymer blend and composites and polymer hydrogels. He received his Ph.D. from UMIST, Manchester, UK in 2000. He is now the Deputy Dean (Research and Innovation), Faculty of Science and Technology, UKM.

His research interests are in all aspects of biopolymers and bio-nanocomposites especially using nanocellulose and the relationships between chemical, thermal and mechanical properties of polymers and composites. They cover a number of research programs in collaboration with different universities and research institute in Malaysia such as Malaysian Institute for Nuclear Technology Research (MINT) and Advanced Materials Research Centre (AMREC) and also foreign institution like Grenoble Institute of Technology (Grenoble-INP), Mahatma Gandhi University, India and Wuhan University of Technology, China. A MoU has been signed between Grenoble-INP and UKM.

He has secured many grants to conduct research in polymer chemistry and has produced more than 100 journals besides the numerous proceedings papers. He has participated in many international and local polymer conferences and meetings either as plenary speaker, keynotes, invited speakers, paper presenters or as organisers. His works are also acknowledged by receiving silver medals in Invention & New Product Exposition 2008 (INPEX 2008), USA, gold medals in Malaysia Technology Expo (MTE 2008 & MTE 2010) and silver medals in International Invention, Innovation, Industrial Design and Technology Exhibition (ITEX 2006 & ITEX 2005). His research has also expanded towards commercialization of production of nanocellulose, recycling process on plastic wastes such as PET and polyethylene (PE) and polymer hydrogel for pharmaceutical application. For that purpose, three national patents had been registered.