

KHAMIRUL AMIN MATORI **Ph.D. (University of Sheffield)**

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EXPERTISE **MATERIALS SCIENCE/MATERIALS ENGINEERING**

Khamirul Amin Matori is an Associate Professor at Department of Physics, Faculty of Science, Universiti Putra Malaysia (UPM). He received the BSc in Physics and MSc in Materials Science from Universiti Putra Malaysia in 1995 and 2000 respectively. He attained his PhD from the University of Sheffield in Materials Engineering in 2007. He joined UPM after BSc at Matriculation Canter for 5 years before become UPM Science faculty member in 2000 until now. Due to his outstanding research activities, UPM have appointed him as a Head of Materials Synthesis and Characterization Laboratory at Institute of Advanced Technology in 2012-2016 and Deputy Dean (Development, Finance & Industry Community Relations Staff) at Faculty of Science from 2016 until now.

Current research interests:

He has wide ranging research interests in glass and ceramic science, with particular emphases on the processing, microstructures and properties as well as waste immobilisation. Current research topics include development of nano-structured mullite-base ceramic composites from waste, design of phase change material composites for high-temperature ceramics. Other work includes on fabrication, synthesis, structural and optical properties of willemite-based glass ceramic doped transition metal and rare earth for future optical and photoluminescent devices. Studies are also underway on the fabricating macro- and nano-porous 45S5 bioglass®-derived reinforced hydroxyapatite glass-ceramic scaffolds. He also heading Long Range Research Grant Scheme (LRGS) under project "Performance and Survivability Enhancements of Military Armoured Vehicles" with title "Identification of potent electromagnetic-wave absorption mechanism for anti-radar and anti-infrared coating materials" from 2014 – 2017 with amount RM1,455,000.00. His other research also funded by the Ministry of Science, Technology and Innovation Malaysia, the Ministry of High Education Malaysia and university internal funding.

LINK TO POSTGRADUATE FIELD OF STUDY:

ADDITIONAL INFORMATION: