



## **Michael Khor Khiam Aik, Ph. D.**

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Professor Michael Khor obtained his B Sc (Hons) and PhD degrees from Monash University, Australia. He worked as an Experimental Scientist at the Commonwealth Scientific and Industrial Research Organization (CSIRO) in Melbourne before joining the Nanyang Technological University (NTU) in 1989. He has held a number of academic, research and administrative appointments, such as Director of Research; Director, Research Support Office; Deputy Director, Singapore-MIT Alliance (SMA), Singapore Office; Director (Projects) at the National Research Foundation (NRF); Associate Provost (Research), President's Office, NTU; Director, NTU Venture; and currently Director of Research Support Office and Bibliometrics Analysis.

Prof Khor served as Director (Projects) at the National Research Foundation (NRF) on a secondment from March 2008 - Sep 2009. At NRF, he was responsible for a range of research initiatives and programmes. Some of these included the Competitive Research Programme (CRP), NRF Research Fellowship, Campus for Research Excellence and Technological Enterprise (CREATE) building construction, Clean Water, Clean Energy, Biomedical Sciences and Interactive Digital Media (IDM) Strategic Research Programmes, Research Centres of Excellence and the National Framework on Innovation and Enterprise (NFIE). He had also helped roll out a number of NFIE initiatives.

Upon return to NTU in Oct 2009, Prof Khor served as Associate Provost (Research), President's Office. As Associate Provost (Research), Prof Khor supported the Provost in driving the research agenda through building upon research opportunities and partnerships, and on research strategies for multi-disciplinary initiatives through coordination with the Colleges. He worked closely with Provost on the growth of research funding, the management of research resources and on attracting top research talents and faculty to NTU.

Prof Michael Khor was appointed as Director of Research Support Office and Bibliometrics Analysis in Oct 2011. Drawing on citation indices such as Thomson Reuters' Web of Science and Elsevier's SciVerse Scopus, Prof Khor explores the impact of NTU's research outcomes and identify emerging fields that NTU wishes to develop capabilities in. Prof Khor is also instrumental in promoting research administration in Singapore and Asia. He is Convenor for the Australasian Research Management Society (ARMS) since March 2013.

Prof Khor has secured research funding through external competitive research grants and the industry, and has extensive research collaborations with universities and research laboratories around the world. Among his collaborators are: Ecole des Mines (ENSMP) in Paris, LERMPS in University of Technology Belfort-Monbeliard, Austrian Research Council in Seibersdorf, Czech Technical University in Prague, Commonwealth Industrial Scientific Research Organization (CSIRO) in Melbourne, Heriot-Watt University in Edinburgh and the International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI) in Hyderabad.

Prof Khor was also the President, Institute of Materials, East Asia (IoMEA) from 1996 - 2012. For his contribution to the development of IoMEA, he received the Overseas Medal in 2008 from the Institute of Materials, Mining and Minerals (UK). Prof Khor has been invited as Visiting Professor by the National Defense Academy, Japan in 2001 and was recently invited as Guest Professor by Zhejiang University, PR China. Among other research awards he received are the Japan Science and Technology Agency (STA) Fellowship and the Japan National Institutes of Advanced Industrial Science and Technology (AIST) Fellowship.

Professor Khor is the originator of the annual conference series on Materials Processing for Properties and Performance (MP3) and is active in the Thermal Spray Society of ASM International, serving as judge for best paper and best poster awards in recent ITSC conferences. Professor Khor sits on the editorial board of four international journals on biomaterials, applied ceramics, and materials science and technology. He has edited/co-edited 18 conference proceedings on advanced materials processing and surface modification technologies. He has published over 270 journal papers, and over 120 conference papers. These papers are cited over 7,400 times (with a Hirsch index of 45) by fellow researchers according to Scopus. His research focus on nano-bioceramics and nano-composites for artificial cornea implants, orthopaedic and dental implants, spark plasma sintering (SPS) of nano-materials and nano-powders (metals and ceramics), thin films, thermal sprayed coatings, thermal barrier coatings (TBC) for aerospace applications and solid oxide fuel cells.