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Title of talk: Design and Synthesis of Anticancer Drug Delivery Systems Based on Inorganic Nanolayered Materials.

Prof. Dr. Mohd Zobir Hussein obtained his Ph D degree from University of Reading, U.K. and spent his postdoctoral/research attachments at various laboratories; namely University of Southampton, U.K., Pennsylvania State University, USA, Victoria University of Wellington, New Zealand and University of Western Australia, Australia. He is a research fellow at the Materials Synthesis and Characterization Laboratory (MSCL), Institute of Advanced Technology (ITMA), UPM, and currently the programme manager for nanomaterials at ITMA, focussing his reeseach work on drug delivery for nanomedicine. His research interests are in the design, synthesis and studies to improve drug bioavailability by nanotechnology platforms. Nanomaterials, such as layered hydroxides, magnetic nanoparticles, carbon nanostructures and polymers are among nanovectors used for drug delivery systems with controllled release properties. Together with other collaborators, his group also works on strategies to increase therapeutic effect for anti-cancer and anti-tuberculosis drugs, as well as other diseases via in vitro and in vivo studies.