MANSOR AHMAD

Ph.D. (University of Salford)

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EXPERTISE
Biocatalysis, Chemical Biology and Computational Chemistry

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Mansor B. Ahmad is currently a Professor of Chemistry. His research interests are in the preparation and characterization of Nanoparticles and nanocomposites by green methods, modification and evaluation of hydrogels and modified natural polymer systems as controlled release matrices and development of biocomposites from natural fibers. The polymer research group at UPM has been actively engaging collaborators from different research institutions in various projects and activities; namely Malaysian Nuclear Agency, Malaysian Rubber Board, Malaysian Palm Oil Board, and Forest Research Institute of Malaysia. He has published more than 200 technical papers and more than 300 proceedings. He has supervised and co-supervised 32 PhD and 45 MSc students. He also actively involved in many association and community activities, mainly Malaysian Institute of Chemistry (IKM), Malaysian Scientific Association (MSA), Confederation of Science and Technological Associations of Malaysia (COSTAM) and Malaysian Nanotechnology Association (MNA). He is a Fellow of IKM, the Royal Society of Chemistry (RSC), IKM and MSA. Presently he is a council member of IKM and COSTAM.

CURRENT RESEARCH INTERESTS:

His research interest encompasses a broad area from polymer chemistry to nanotechnology.

Nanocomposites for Controlled Delivery
Development of nanocomposites for controlled delivery of drugs and vaccines. Nanoparticles studied include Ag, CuO, ZnO and Au.

Natural Biocomposites
Research has been focused on developing biocomposites from natural resources such as fibres from rice straw, empty fruit bunch and wood.

Hydrogels for Drug Release
Most hydrogels have special properties of being biocompatible and biodegradable. Thus, they are suitable for application as controlled release matrices. The latest research is developing matrices for controlled release of Newcastle Disease vaccines.

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LINK TO POSTGRADUATE FIELD OF STUDY:
Polymer Chemistry, Materials Chemistry, Nanosciences

ADDITIONAL INFORMATION:

https://scholar.google.com/citations?user=VLke6sAAAAAJ&hl=en
https://www.researchgate.net/profile/Mansor_Ahmad