تعبئة الإهتمامات البحثية (نموذج رقم 1)

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	هل لديك الرغبة في الاشراف على الماجستيرDo you wish to supervise MSc		
	هل لديك الرغبة في الاشراف على الدكتوراه Do you wish to supervise PhD		
My research interests inc different nanostructure stress, inflammation and cell in an event of internal nanomaterials on these ph	Research interests (~200 words)		
Understanding the Effect of Metal Oxide Nanoparticles on Angiogenic factors in human cancer cells Metastasis is defined as the spread of cancer to other organs from the primary organ and is characterised by the cancer cells breaking away from the original tumor, traveling through the circulatory system and to forming new tumors in other organs. Angiogenesis is a hallmark of metastasis of human cancers which relies on the formation of new blood vessels for tumor growth. Nanomaterials are increasingly being utilized in medicine and more so in cancer treatment. However, the effect of nanomaterials on metastasis is poorly understood. In this study angiogenic factors, which play major role in angiogenesis, will be tested against metal oxide nanoparticles. The outcome of the study will enhance our understanding of the functional effects nanomaterials on these factors and may help in blunting cancer metastasis.			المواضيع المقترحة للمشاريع البحثية للطلبة الدراسات العليا (الماجستير) Proposed topics for master research projects
Elucidating apoptotic cell death and underlying signalling pathways in response to metal oxide nanoparticles in human cancer cells Cancer is one of the major threats to human health world over and there has been a continuous forage towards identifying novel technologies to improve cancer treatment. By this perspective, nanomaterials are increasingly being			المواضيع المقترحة للمشاريع البحثية للطلبة الدراسات العليا (الدكتوراه)Proposed topics for doctoral research projects

tested for their potential applications in cancer therapies. Apoptosis has been proposed as a major cell death type in response to different nanostructures. However, the underlying signalling pathways are incompletely understood. In this study, the effects of metal oxide nanoparticles on the apoptosis induction and the key signalling molecules that relay the interaction of nanomaterials with cell surface receptors will be investigated. The outcome of the study is expected to improve the application of nanomaterials in cancer treatment.	
Yes	الابحاث المنشورة مع طلبة الدراسات العليا Publishing with post graduate students
تقنيات ضمن خطة البحث ,Materials and equipment مواد و تجهيزات samples عينات Techniques within the research plan, relevant expertise	توفر مستلزمات المشروع Availability of project supplies
2	العدد المقترح للأشراف على طلبة الماجستير وحسب اللائحة According to the regulations, proposed number of supervised MSc students
1	العدد المقترح للاشراف على طلبة الدكتوراه وحسب اللائحة According to the regulations, proposed number of supervised PhD students
أقر أنا المدون بياناته أعلاه، ان البيانات المرفقة أعلاه صحيحة, I confirm that the information given in this form is true, complete and accurate.	إقرار Endorsement