

## تعبة الإهتمامات البحثية (نموذج رقم 1)

Associate Professor	المسمى الوظيفي Job title	Seema Zargar	Name / الاسم
2/5/2019	تاريخ تقديم النموذج Submission date	szargar@ksu.edu.sa	البريد الإلكتروني Email
<p>My Research is based on many techniques and my ability to work collaboratively with other scientists on different projects. My research interest includes the analysis by Real Time PCR, HPLC, immunoprecipitation, microarray, Western Blotting, and ELISA, stem cell therapy, molecular docking. Moreover, synthesis and characterization of enzyme inhibitors, spectrophotometric binding and docking of many drugs as well as the ability to work with animal models and cell culture systems. I am currently beginning a projects on the role of some drugs in mouse models of liver toxicity and obesity. The disease processes associated with these toxicities are altered apoptosis and antibodies autoreactive to targets such as Immunoblotting, NADPH oxidase activity and 3-Nitrotyrosine staining, some gene pathway enzymes by Q-PCR among others.</p>			الإهتمامات البحثية Research interests (~100 words)
<p>1. Effects of Nebivolol and Nebivolol + Valsartan combination intervention on amelioration of cardiovascular pathologies in a diet-induced obesity mouse model</p> <p>2. Neuroprotective and hepatoprotective role of L-cysteine on CCl4 induced stresses by involvement of cyclooxygenase and Nitric oxidase pathways</p> <p>3. Role of stem cell target therapies</p>			المواضيع المقترحة للمشاريع البحثية للطلبة الدراسات العليا (الماجستير) Proposed topics for master research projects
I have until now published with all students			الابحاث المنشورة مع طلبة الدراسات العليا Publishing with post graduate students
تقنيات ضمن خطة البحث, مواد و تجهيزات, samples عينات Techniques within the research plan			توفر مستلزمات المشروع Availability of project supplies
3			العدد المقترح للإشراف على طلبة الدراسات العليا وحسب اللائحة According to the regulations, proposed number of supervised postgraduate students
I confirm that the information given in this form is true, complete and accurate.			إقرار Endorsement

