

## تعبئة الإهتمامات البحثية (نموذج رقم 1)

Professor	المسمى الوظيفي Job title	Dr Abeer Alghanouchi	Name / الاسم
7/05/2022	تاريخ تقديم النموذج Submission date	aalghanouchi@KSU.EDU.SA	البريد الإلكتروني Email
نعم Yes			هل لديك الرغبة في الاشراف على الماجستير Do you wish to supervise MSc
نعم Yes			هل لديك الرغبة في الاشراف على الدكتوراه Do you wish to supervise PhD
<p><b>The therapeutic and protective of ASD</b></p> <p>Based on the fact that mitochondrial dysfunction and endoplasmic reticulum stress are common features of neurological disorders and, hence, mitotherapeutics may be valuable disease modifiers for a large number of conditions, it will be interesting to investigate the protective and therapeutic effect of luteolin, as a modulator of mitochondria-endoplasmic reticulum coupling, against the neurotoxic effects of PPA in male albino rats, through the measurement of selected biochemical parameters.</p> <p><b>2- Purification, biochemical characterization and biological function</b></p> <p><i>Saussurea costus</i> (family, Costaceae) is a medicinal plant having several pharmacological activities like antifungal, antioxidant, anticancer, anti-inflammatory, antidiabetic, diuretic, antipyretic, antifertility, hepatoprotective, hypolipidemic, antibacterial, anticholinestrage, antihelminthic . So, the aim of the present project is to purify and evaluate the inhibitory activity of PI isolated from <i>Saussurea costus</i> against some commercially and therapeutically important proteases, in addition to its antimicrobial and cytotoxicity potential.</p>			<p><b>Research interests</b> (~200 words)</p>
<p><b>-1 The therapeutic and protective effects of luteolin against PPA-induced endoplasmic reticulum stress and mitochondrial dysfunction in brain of ASD rat model</b></p> <p><b>2- Purification, biochemical characterization and biological function of new protease inhibitor(s) from <i>Saussurea costus</i></b></p>			<p>المواضيع المقترحة للمشاريع البحثية للطلبة الدراسات العليا (الماجستير) <b>Proposed topics for master research projects</b></p>
<p><b>The therapeutic and protective of ASD</b></p>			<p>المواضيع المقترحة للمشاريع البحثية للطلبة الدراسات العليا (الدكتوراه) <b>Proposed topics for doctoral research</b></p>

	projects
15	الابحاث المنشورة مع طلبة الدراسات العليا Publishing with graduate students
Materials and equipment Techniques within the research plan	توفر مستلزمات المشروع Availability of project supplies
3	العدد المقترح للاشراف على طلبة الماجستير و حسب اللائحة According to the regulations, proposed number of supervised MSc students
1	العدد المقترح للاشراف على طلبة الدكتوراه و حسب اللائحة to the proposed According supervised regulations, PhD students number of
I confirm that the information given in this form is true, complete and accurate.	إقرار Endorsement

