

## Basic Information :

**Name :** Hanan Salah

**Title :** Professor



Dr. Hanan Salah, Professor in Pharmacology and Toxicology and Biochemistry Department. She has got her masters and PhD from Cairo University.

## Education:

Certificate	Major	University	Year
PhD			2003
Masters			1988
Bachelor	Pharmaceutical Sciences		1982

## Teaching Experience:

Name Of Organization	Position	From Date	To Date
FUE	Section Head	07/03/2018	Current

## Researches / Publications :

- The novel anti-colitic effect of  $\alpha$ -adrenergic receptors via modulation of PS1/BACE-1/A  $\beta$  axis and NOTCH signaling in an ulcerative colitis model
- Morin offsets PTZ-induced neuronal degeneration and cognitive decrements in rats: The modulation of TNF-  $\alpha$ /TNFR-1/RIPK1,3/MLKL/ PGAM5/Drp-1, IL-6/JAK2/STAT3/GFAP and Keap-1/Nrf-2/ HO-1 trajectories
- Preferential effect of Montelukast on Dapagliflozin: Modulation of IRS-1/AKT/GLUT4 and ER stress response elements improves insulin sensitivity in soleus muscle of a type-2 diabetic rat model
- Chloroquine modulates the sulforaphane anti-obesity mechanisms in a high-fat diet model: Role of JAK-2/ STAT-3/ SOCS-3 pathway
- Does physical exercise improve or deteriorate treatment of multiple sclerosis with mitoxantrone? Experimental autoimmune encephalomyelitis study in rats
- Reposition of the anti-inflammatory drug diacerein in an in-vivo colorectal cancer model
- Liraglutide Improves Cognitive and Neuronal Function in 3-NP Rat Model of Huntington's Disease
- Prasugrel anti-ischemic effect in rats: Modulation of hippocampal SUMO2/3-I B  $\alpha$  tub9 and SIRT-1/miR-22 trajectories
- Dimethyl fumarate abridged tauo-/amyloidopathy in a D-Galactose/ ovariectomy-induced Alzheimer's-like disease: Modulation of AMPK/SIRT-1, AKT/CREB/BDNF, AKT/GSK-3  $\beta$ /adiponectin/Adipo1R, and NF- B/IL-1  $\beta$ /ROS trajectories
- Vitamin D and rosuvastatin obliterate peripheral neuropathy in a type-2 diabetes model through modulating Notch1, Wnt-10  $\beta$ /TGF-  $\beta$  and NRF-1 crosstalk
- Epac-1/Rap-1 signaling pathway orchestrates the reno-therapeutic effect of ticagrelor against renal ischemia/reperfusion model
- Neuroprotective role of galantamine with/without physical exercise in experimental autoimmune encephalomyelitis in rats
- Pentoxifylline treatment alleviates kidney ischemia/reperfusion injury: Novel involvement of galectin-3 and ASK-1/JNK & ERK1/2/NF- B/HMGB-1 trajectories
- Peganum harmala enhanced GLP-1 and restored insulin signaling to alleviate AICU 3-induced Alzheimer-like pathology model
- Novel peripheral role of Nurr-1/GDNF/AKT trajectory in carvedilol and/or morin hydrate hepatoprotective effect in a model of hepatic ischemia/ reperfusion
- MiR-200a inversely correlates with Hedgehog and TGF-  $\beta$  canonical/non-canonical trajectories to orchestrate the anti-fibrotic effect of Tadalafil in a bleomycin-induced pulmonary fibrosis model
- The interrupted cross-talk of inflammatory and oxidative stress trajectories signifies the effect of artesunate against hepatic ischemia/reperfusion-induced inflammasomopathy

Diabetes and CYP2C19 Polymorphism Synergistically Impair the Antiplatelet Activity of Clopidogrel Compared With Ticagrelor in Percutaneous Coronary Intervention-treated Acute Coronary Syndrome Patients

Activated ROCK/Akt/eNOS and ET-1/ERK pathways in 5-fluorouracil-induced cardiotoxicity: modulation by simvastatin

The dual reno- and neuro-protective effects of dimethyl fumarate against uremic encephalopathy in a renal ischemia/reperfusion model

Modulation of endoplasmic reticulum stress response in gut-origin encephalopathy: Impact of vascular endothelial growth factor receptor-2 manipulation

Olmesartan attenuates type 2 diabetes-associated liver injury: Cross-talk of AGE/RAGE/JNK, STAT3/SCOS3 and RAS signaling pathways

Mesenchymal stem cells in chemotherapy-induced peripheral neuropathy: A new challenging approach that requires further investigations

Correlation between angiotensin 1-7-mediated Mas receptor expression with motor improvement, activated STAT3/SOCS3 cascade, and suppressed HMGB-1/RAGE/NF- B signaling in 6-hydroxydopamine hemiparkinsonian rats

Novel repair mechanisms in a renal ischaemia/reperfusion model: Subsequent saxagliptin treatment modulates the pro-angiogenic GLP-1/cAMP/VEGF, ANP/eNOS/NO, SDF-1 CXCR4, and Kim-1/STAT3/HIF-1 VEGF/eNOS pathways.

Chenodeoxycholic acid ameliorates A $\beta$ 1-42-induced Alzheimer's disease neurotoxicity and cognitive deterioration via enhanced insulin signaling in rats

Raspberry keto ne and Garcinia Cambogia rebalanced disrupted insulin resistance and leptin silencing in rats fed high fat fructose diet

Activation of  $\alpha$ 7 Nicotinic acetylcholine receptor ameliorates zymosan-induced acute kidney injury in BALB/c mice

Galantamine anti-colitic effect: Role of alpha-7 nicotinic acetylcholine receptor in modulating Jak/STAT3, NF- B/HMGB1/RAGE and p-AKT/Bcl-2 pathways