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# Publications& Presentations:

-Effect of Diabetes Mellitus on Rat Cognitive Functions and Related Hippocampal Synaptic

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- Assessment of cognitive functions and some markers of synaptic plasticity in diabetic rats.

Shaimaa N Amin, Sandra M Younan, Mira Farouk, Laila A Rashed, Ibrahim Mohamady .

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-White matter anisotropy and neurocognitive outcome in childhood acute lymphoblastic leukemia

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- Amin SN, Younan SM, Youssef MF et al. (2013) A histological and functional study on

hippocampal formation of normal and diabetic rats [v1; ref status:

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-Neurocognitive outcome and white matter anisotropy in childhood acute lymphoblastic leukemia

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-Melatonin Reduces Cardiac Injury Induced by Lipopolysaccharides in Rats. Ola M. Tork

, Shaimaa N. Amin, LailaA.Rashed .JMSCR Volume 2 Issue 10 October 2014

- Cognitive effects of acute restraint stress in male albino rats and the impact of pretreatment with

quetiapine versus ghrelin. Amin SN, Gamal SM, El NemrEsmail RS, Abdel Aziz TM, Rashed LA. J

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-Modification of Hippocampal Markers of Synaptic Plasticity by Memantine in Animal Models of

Acute and Repeated Restraint Stress: Implications for Memory and Behavior. Shaimaa N. Amin

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-Ghrelin Attenuates the Effect of Acute Restraint Stress on the Liver. Amin SN, Gamal SM, Rasheed RA, Rashed LA (2016) AnatPhysiol 6: 191.doi:10.4172/2161-0940.1000191.

- Effects of Chronic Aspartame Consumption on MPTP-Induced Parkinsonism in Male and Female Mice. 10th Forum of Federation of European Neuroscience Societies (FENS)- Copenhagen 2nd- 6th July 2016

-Effect Of Undifferentiated Versus Hepatogenic Partially Differentiated Mesenchymal Stem Cells On Hepatic And Cognitive Functions In Liver Cirrhosis.Dalia AzmyElberry, Shaimaa Nasr Amin, RehamShehab El NemrEsmail,Laila Ahmed Rashed, Maha Mohamed Gamal.(2016).*EXCLI Journal;15:652-670.*

-Effect of Melatonin Supplemented at the Light or Dark Period on Recovery of Sciatic Nerve Injury in Rats.Rateb, E. E., Amin, S. N., El-Tablawy, N., Rashed, L. A., & El-Attar, S. EXCLI Journal 2017;16:138-150 – ISSN 1611-2156

-Hepatoprotective Effect of Blocking N-Methyl-D-Aspartate Receptors in Male Albino Rats Exposed to Acute and Repeated Restraint Stress.Amin SN, El-Aidi AA, Zickri M, Rashed LA, Hassan SS.Can J PhysiolPharmacol. 2017 Mar 18. doi: 10.1139/cjpp-2016-0556.

-Effect of Cyclophosphamide on The Rat Urinary Bladder And The Possible Protective Role of Thymoquinone.ANNUAL MEETING AT EXPERIMENTAL BIOLOGY (EB) ;22-25 April 2017, Chicago, USA

-Neuroprotective Effects of Piracetam Versus Peroxisome Proliferator-Activated Receptor Gamma Agonist Pioglitazone in Drug-Induced Parkinsonism.Shaimaa Nasr Amin, Abdelrahman Mohammed Al Okda, Laila Ahmed Rashed. *International Annals of Medicine. 2017;1(4).* https://doi.org/10.24087/IAM.2017.1.4.97

-Effects of vitamin D and metformin on diabetic cardiomyopathy in rats with type 2 Diabetes Mellitus. Sayed DM, Amin SN, Yassa HD et al. International Journal of AnatomyPhysiology and Biochemistry 2017;4(4):1-13.

-Cell Signaling in Cancer Microenvironment.Hebat Allah SamyAbdelFattah, MayarTarek Ibrahim, Mostafa Mahmoud Nasr and Shaimaa Nasr Amin.International Journal of Avanced Biomedicine.2, No. 2, 47-51 (2017).

-- Impact of Blocking Renin Angiotensin Aldosterone Axis in Acute Kidney Injury. Shaimaa Nasr Amin, Noha Samir Abdel Latif, Laila Ahmed Rashed. *International Annals of Medicine. 2017;1(5).* <https://doi.org/10.24087/IAM.2017.1.5.147>.

-Does posttreatmentthymoquinone reverse high-dose, atorvastatin-induced hepatic oxidative injury in rats?Sherif M. Sabry Hassan, AhmerRazzaque, Zulfiqar Ahmad, Vanessa Pazdernik, Shaimaa Nasr Amin. Canadian Journal of Physiology and Pharmacology,Published on the web 02 October 2017. <https://doi.org/10.1139/cjpp-2017-0599>.

**-**Effects of chronic aspartame consumption on MPTP-induced Parkinsonism in male and femalemice**.** Shaimaa Nasr Amin, SherifSabry Hassan &Laila Ahmed Rashed**.**[Arch PhysiolBiochem.](https://www.ncbi.nlm.nih.gov/pubmed/29096532) 2018 Oct;124(4):292-299. doi: 10.1080/13813455.2017.1396348.

- Synergistic actions of vitamin D and metformin on skeletal muscles and insulin resistance of type

2 diabetic rats.Amin SN, Hussein UK, Yassa HD, Hassan SS, Rashed LA.[J Cell Physiol.](https://www.ncbi.nlm.nih.gov/pubmed/29205344) 2018 Aug;233(8):5768-5779. doi: 10.1002/jcp.26300.

-Hippocampal and cerebellar changes in acute restraint stress and the impact of pretreatment with ceftriaxone .Shaimaa Amin ,NohaAbdelatif , MagdyYouakim , HananYassa , LailaRashed. 11th FENS Forum of Neuroscience 7-11 July, 2018 Berlin, Germany

-Metformin Protects Against Thioacetamide-Induced Liver injury in Rats. Al-Hashem, Fahaid, AlHumayed, Suliman, Ellatif, Mohamed Abd, Amin, Shaimaa Nasr, Kamar, Samaa Samir, Al-Ani, Bahjat, &Haidara, Mohamed A. (2018).*International Journal of Morphology*, *36*(3), 984-990. <https://dx.doi.org/10.4067/S0717-95022018000300984>

-Metformin Pretreatment Ameliorates Diabetic Nephropathy Induced by a Combination of High Fat Diet and Streptozotocin in Rats.Dallak, Mohammad, Bin-Jaliah, Ismaeel, Al-Hashem, Fahaid, Kamar, Samaa S, Kader, Dina H. Abdel, Amin, Shaimaa N, Haidara, Mohamed A, & Al-Ani, Bahjat.(2018).*International Journal of Morphology*, *36*(3), 969-974.

-Between an ugly truth and a perfect lie: Wiping off fearful memories using beta-adrenergic receptors antagonists.AlOkda AM, Nasr MM, Amin SN.. J Cell Physiol. 2019 May;234(5):5722-5727. doi: 10.1002/jcp.27441

-Metformin inhibits mTOR-HIF-1α axis and profibrogenic and inflammatory biomarkers in thioacetamide-induced hepatic tissue alterations.Al-Hashem F, Al-Humayed S, Amin SN, Kamar SS, Mansy SS, Hassan S, Abdel-Salam LO, Ellatif MA,, Alfaifi M, Haidara MA, Al-Ani B,J Cell Physiol. 2018 Oct 18. doi: 10.1002/jcp.27616.

\*Submitted Manuscripts:

-Protection of thymoquinone against cyclophosphamide-induced hemorrhagic cystitis in rats

Submitted to:Neurourology and Urodynamics

-Effects of Melatonin versus stem cells on cognition and behavior of type I diabetic Rats.

Submitted to: International Journal of Neuroscience

-Gastroprotective Effects of Nebivolol and Simvastatin against Cold Restraint Stress-Induced Gastric Ulcer in Rats.

Submitted to: EXCLI Journal

-Hippocampal and cerebellar changes in acute restraint stress and the impact of pretreatment with ceftriaxone .

Submitted to:Molecular Neurodegeneration

-Resveratrol Pretreatment Ameliorates p53-Bax Axis and Augments the Survival Biomarker Bcl-2 Modulated by Paracetamol Overdose in a Rat Model of Acute Liver Injury

Submitted to:Pharmacology

# Current Research work:

- Effect of Aspartame on the Heart in Mice with Catecholamines Depletion.

-Transplantation of mesenchyml stem cells in an animal model of aging brain

-The Relation of Glucagon like peptide-1 and Saffron to Advanced Glycation End Products (AGEs) in Management of Induced Diabetic Nephropathy in Rats

- Moringa versus statins on Brain, cardiac and hepatic function in rat model of metabolic syndrome (physiological, biochemical and histopathological evaluation)