



# Nesrine El Sayed

Date of birth: 24/03/1970 | **Nationality:** Egyptian | **Gender:** Female | (+20) 01001472952 |

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## ● WORK EXPERIENCE

27/09/2017 – CURRENT – Cairo, Egypt

### **PROFESSOR OF PHARMACOLOGY AND TOXICOLOGY – FACULTY OF PHARMACY, CAIRO UNIVERSITY**

- Head of department of pharmacology and toxicology, faculty of pharmacy, CU till now.
- Head of the control of examination of first and second year students (PharmD)
- Director of the international relations bureau (IRB), Faculty of pharmacy, Cairo University.
- Member in the faculty of pharmacy council, Cairo university (2019-till now)
- Membership in the mentoring, probation and disciplinary committees in GUC.
- Co-Coordinator of the pharmamacovigilance program delivered to the postgraduate students in faculty of pharmacy , Cairo university
- Member in the ethics committee of Cairo University (CA-IACUC) Institutional animal care and use committee
- Supervisor of the behavioural animal lab in the faculty of pharmacy-German University in Cairo
- Head of the committee of Quality Assurance and Accreditation in the Department
- Research coordinator of the department of pharmacology and toxicology for the research planning of the faculty of pharmacy, CU
- Membership of the committee of Libraries in CU.
- Academic coordinator of the mobility agreement under the framework of Erasmus+ KA107 between Cairo University and Medical University in Lublin-Poland (2019-2023).

Cairo

### **REVIEWER IN THE PROMOTION COMMITTEE OF PHARMACOLOGY AND CLINICAL PHARMACY**

Cairo, Egypt

### **REVIEWER IN THE PROMOTION COMMITTEE OF NATIONAL ORGANIZATION FOR DRUG CONTROL AND RESEARCH (NODCAR)**

Cairo, Egypt

### **MEMBER IN THE COMMITTEE CONCERNED WITH THE REGISTRATION OF MEDICAL SUPPLIES OF THE CENTRAL ADMINISTRATION FOR MEDICAL SUPPLIES OF THE EGYPTIAN DRUG AUTHORITY**

## ● EDUCATION AND TRAINING

CURRENT – Kasr El Aini, Cairo

**PH.D. IN PHARMACOLOGY AND TOXICOLOGY, FACULTY OF PHARMACY, CAIRO UNIVERSITY, 2004 - MASTER OF PHARMACEUTICAL SCIENCES IN PHARMACOLOGY AND TOXICOLOGY, FACULTY OF PHARMACY, CAIRO UNIVERSITY, 1998. - BACHELOR DEGREE OF PHARMACEUTICAL SCIENCES, FACULTY – Faculty of Pharmacy, Cairo University**

Kasr El Aini, Cairo

**ASSOCIATE PROFESSOR OF PHARMACOLOGY & TOXICOLOGY-FACULTY OF PHARMACY-CAIRO UNIVERSITY, 9/2016- 2017 – Faculty of Pharmacy, Cairo University**

**ASSOCIATE PROFESSOR OF PHARMACOLOGY & TOXICOLOGY- GERMAN UNIVERSITY IN CAIRO, 5/2012-2016**

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**LECTURER OF PHARMACOLOGY AND TOXICOLOGY, GERMAN UNIVERSITY IN CAIRO, 2007-2012**

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**LECTURER OF PHARMACOLOGY & TOXICOLOGY- CAIRO UNIVERSITY, 2004 – 2012**

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04/11/2018 – 15/11/2018

**THE INTERNATIONAL COURSE OF LABORATORY ANIMAL SCIENCE IN EGYPT IN COOPERATION WITH ULTRECHT UNIVERSITY, NETHERLANDS** – The institutional Animal Care and Use Committee, Cairo University

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22/01/2017 – 24/01/2017

**BASIC RESEARCH COMPETENCY PROGRAM FOR RESEARCH COORDINATORS** – The generalscientific research department in collaboration with faculty of medicine education centre

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19/06/2010 – 21/06/2010

**ISOLATION, PROLIFERATION & DIFFERENTIATION OF HUMAN CORD BLOOD STEM CELLS ALONG HEPATOCYTE LINEAGE** – VACSERA (the holding company for biological products and vaccines)

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11/11/2006 – 16/11/2006

**THE TRAINING COURSE OF HELPING STUDENT LEARN (CONTINUING PROFESSIONAL DEVELOPMENT COURSE)** – King's College London

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Arranged The Higher Education Academy Health Sciences and Practice Subject Centre and The Department of Education and Professional Studies at King's College London

## ● **LANGUAGE SKILLS**

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Mother tongue(s): **ARABIC**

Other language(s):

|                | UNDERSTANDING |         | SPEAKING          |                    | WRITING |
|----------------|---------------|---------|-------------------|--------------------|---------|
|                | Listening     | Reading | Spoken production | Spoken interaction |         |
| <b>ENGLISH</b> | C1            | C1      | B2                | B2                 | C1      |
| <b>FRENCH</b>  | B2            | B2      | B2                | B2                 | B2      |

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## ● **DIGITAL SKILLS**

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Microsoft Word | Microsoft Excel | Outlook | Microsoft Powerpoint | Google Drive | Google Docs | Skype | Zoom | Microsoft Office | Presenting | Written and Verbal skills | Internet user

## ● PUBLICATIONS

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### **Crown Ether Nanovesicles (Crownsomes) Repositioned Phenytoin for Healing of Corneal Ulcers**

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Mahmoud DB, Afifi SA, El Sayed NS. Mol Pharm. 2020 Oct 5; 17(10):3952-3965.  
<https://pubs.acs.org/doi/10.1021/acs.molpharmaceut.0c00742> – 2020

### **Antia, a Natural Antioxidant Product, Attenuates Cognitive Dysfunction in Streptozotocin-Induced Mouse Model of Sporadic Alzheimer's Disease by Targeting the Amyloidogenic, Inflammatory, Autophagy, and Oxidative Stress Pathways.**

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El Sayed NS, Ghoneum MH. Oxid Med Cell Longev. 2020;2020:4386562.  
<https://www.hindawi.com/journals/omcl/2020/4386562/> – 2020

### **Xanthotoxin and umbelliferone attenuate cognitive dysfunction in a streptozotocin-induced rat model of sporadic Alzheimer's disease: The role of JAK2/STAT3 and Nrf2/HO-1 signalling pathway modulation**

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Hindam MO, Sayed RH, Skalicka-Woźniak K, Budzyńska B, El Sayed NS. Phytother Res. 2020 Sep;34(9)  
<https://onlinelibrary.wiley.com/doi/full/10.1002/ptr.6686> – 2020

### **Neuroprotective effect of PPAR alpha and gamma agonists in a mouse model of amyloidogenesis through modulation of the Wnt/beta catenin pathway via targeting alpha- and beta-secretases.**

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Assaf N, El-Shamarka ME, Salem NA, Khadrawy YA, El Sayed NS.  
<https://pubmed.ncbi.nlm.nih.gov/31669201/> – 2020

### **Effect of pioglitazone and simvastatin in lipopolysaccharide-induced amyloidogenesis and cognitive impairment in mice: possible role of glutamatergic path-way and oxidative stress.**

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Thabit S, and Nesrine S. El Sayed. Behav Pharmacol.2019; 30(1):5-15.  
<https://pubmed.ncbi.nlm.nih.gov/29659380/> – 2019

### **Protective effect of methylene blue on TNBS-induced colitis in rats mediated through the modulation of inflammatory and apoptotic signalling pathways. Protective effect of methylene blue on TNBS-induced colitis in rats mediated through the modulation of inflammatory and apoptotic signalling pathways.**

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El Sayed NS, Sayed AS. Arch Toxicol. 2019;93(10):2927-2942  
<https://pubmed.ncbi.nlm.nih.gov/31428839/> – 2019

### **Styphnolobium japonicum (L.) Schott Fruits Increase Stress Resistance and Exert Antioxidant Properties in Caenorhabditis elegans and Mouse Models.**

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Thabit S, Handoussa H, Roxo M, Cestari de Azevedo B, S E El Sayed N, Wink M. Molecules. 2019;24(14)  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6680879/> – 2019

## **Role of 3-Acetyl-11-Keto-Beta-Boswellic Acid in Counteracting LPS-Induced Neuroinflammation via Modulation of miRNA-155.**

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Sayed, A., Gomaa, I., Bader, M. and Nesrine S. El Sayed. Mol Neurobiol 2018; 55:5798–5808  
<https://pubmed.ncbi.nlm.nih.gov/29079998/> – 2018

## **Dermal anti-oxidant, anti-inflammatory and anti-aging effects of Compritol ATO-based Resveratrol colloidal carriers prepared using mixed surfactants.**

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Abbas H, Kamel R, El-Sayed N. Int J Pharm. 2018;541(1-2):37-47.  
<https://pubmed.ncbi.nlm.nih.gov/29458209/> – 2018

## **Superparamagnetic Iron Oxide-Loaded Lipid Nanocarriers Incorporated in Thermosensitive In Situ Gel for Magnetic Brain Targeting of Clonazepam.**

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Abbas H, Refai H, El Sayed N. J Pharm Sci. 2018;107(8):2119-2127.  
<https://pubmed.ncbi.nlm.nih.gov/29665379/> – 2018

## **Neuromodulatory Effect of Thymoquinone in Attenuating Glutamate-Mediated Neurotoxicity Targeting the Amyloidogenic and Apoptotic Pathways.**

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Ibram A Fouad, Nadia M Sharaf, Ragwa M Abdelghany and Nesrine S. El Sayed. Front Neurol. 2018; 9:236  
<https://pubmed.ncbi.nlm.nih.gov/29706929/> – 2018

## **Evaluation of antioxidant and neuroprotective activities of Cassia fistula (L.) using the Caenorhabditis elegans model**

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Thabit S, Handoussa H, Roxo M, Nesrine S. El Sayed, Cestari de Azevedo B, Wink M. PeerJ. 2018;6:e5159  
<https://pubmed.ncbi.nlm.nih.gov/30023139/> – 2018

## **Targeting central $\beta$ 2 receptors ameliorates streptozotocin induced neuroinflammation via inhibition of glycogen synthase kinase3 pathway in mice.**

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Abdel Rasheed NO, Nesrine S. El Sayed, El-Khatib AS. Prog Neuropsychopharmacol Biol Psychiatry. 2018  
<https://pubmed.ncbi.nlm.nih.gov/29782959/> – 2018

## **Montelukast attenuates rotenone-induced microglial activation/p38 MAPK expression in rats: Possible role of its antioxidant, antiinflammatory and antiapoptotic effects.**

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Mansour RM, Ahmed MAE, El-Sahar AE and Nesrine S. El Sayed. Toxicol Appl Pharmacol. 2018; 358:76-85  
<https://pubmed.ncbi.nlm.nih.gov/30222980/> – 2018

## **Protective effects of gingerol on streptozotocin-induced sporadic Alzheimer's disease: emphasis on inhibition of $\beta$ -amyloid, COX-2, alpha-, beta- secretases and A $\beta$ 1a.**

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Ali M. El Halawany, Nesrine S. El Sayed, Hossam M. Abdallah, Riham Salah El Dine. Scientific Reports  
<https://pubmed.ncbi.nlm.nih.gov/28588301/> – 2017

## **Protective effects of Telmisartan and tempol on lipopolysaccharide-induced cognitive impairment, neuroinflammation and amyloidogenesis: possible role of brain derived neurotrophic factor.**

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Waleed A. Khallaf, Basim A. Messiha, Amira M. Abo-Youssef, Nesrine S. El-Sayed. Can. J. Physiol. Pharma  
<https://pubmed.ncbi.nlm.nih.gov/28388365/> – 2017

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**Protective effect of valproic acid in streptozotocin-induced sporadic Alzheimer's disease mouse model: possible involvement of the cholinergic system.**

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Mirna E Sorial and Nesrine S El Sayed. Naunyn Schmiedeberg's Archives of Pharmacology, 2017, 390: 581  
<https://pubmed.ncbi.nlm.nih.gov/28188358/> - 2016

**Co-administration of 3-Acetyl-11-Keto-Beta-Boswellic Acid potentiates the protective effect of celecoxib in lipopolysaccharide-induced cognitive impairment in mice: possible implication of anti-inflammatory and ant glutamatergic pathways.**

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Aya S Sayed and Nesrine S El Sayed. J Mol Neurosci; 59 (1):58-67.  
<https://pubmed.ncbi.nlm.nih.gov/26984336/> - 2016

**Possible role of resveratrol targeting estradiol and neprilysin pathways in lipopolysaccharide model of Alzheimer disease.**

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Nesrine S. El-Sayed and Yasmeeen Bayan. AdvExp Med Biol. 2015; 822:107-18.  
<https://pubmed.ncbi.nlm.nih.gov/25416980/> - 2015

**Evaluation of Plant Phenolic Metabolites as a Source of Alzheimer's Drug Leads.**

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Yara Hassaan, Heba Handoussa, Ahmed H. El-Khatib, Michael W. Linscheid, Nesrine El Sayed, and Nahla Ayoub.  
<https://pubmed.ncbi.nlm.nih.gov/24999480/> - 2014  
Bio Med Research International 2014, 843263, 1-10.

**Protective Effect of Aframomum melegueta phenolics Against CCl4-Induced Rat Hepatocytes Damage; Role of Apoptosis and Pro-inflammatory Cytokines inhibition.**

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Ali M. El-Halawany, Riham Salah El Dine, Nesrine S. El Sayed and Masao Hattori. Sci.Rep. 4, 5880  
<https://pubmed.ncbi.nlm.nih.gov/25077538/> - 2014

**Overexpression of NMDAR2B in an inflammatory model of Alzheimer's disease: Modulation by NOS inhibitors"**

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Ahmed Maher, M.Sc; Nesrine S El-Sayed, Hans G Breitingner, Mohamed Zakaria Gad.  
<https://pubmed.ncbi.nlm.nih.gov/25454121/> - 2014  
Brain Research Bulletin 109 (2014) 109-116.

**TEMPOL, a Membrane-Permeable Radical Scavenger, Ameliorates Lipopolysaccharide-Induced Acute Lung Injury in Mice: a Key Role for Superoxide Anion.**

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El-Sayed NS, Mahran LG, Khattab MM. Eur.J.Pharmacol., 663(1-3):68-73  
<https://pubmed.ncbi.nlm.nih.gov/21554869/> - 2011

**Phytochemical and biological investigation of the extracts of Nigella sativa L. seed waste.**

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Michel CG, El-Sayed NS, Moustafa SF, Ezzat SM, Nesseem DI, El-Alfy TS.  
<https://pubmed.ncbi.nlm.nih.gov/21309000/> - 2011  
Drug Test. Analysis , 3, 245-254

**Promising Therapy for Alzheimer's disease Targeting The Angiotensin-Converting Enzyme And The Cyclooxygenase 2 isoform."**

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El Sayed NS, Kassem LA, Heikal OA. Drug Discov.Ther.2009;3(6):307-315.  
<https://pubmed.ncbi.nlm.nih.gov/22495665/> - 2009

## Tea in health and disease prevention

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2012

Contributing with a chapter in the book: Tea in health and disease prevention (2012).CHAPTER 54: The Protective Effect of Green Tea Against Experimentally-Induced Lung Fibrosis in Rats. ISBN: 978-0-12-384937-3 published by Elsevier.

## Neuroprotective Effects of Phytochemicals in Neurological Disorders

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2017

Contributing with a chapter in the book: Neuroprotective Effects of Phytochemicals in Neurological Disorders (2017).CHAPTER 19: Modulation of Estradiol and Neprilysin Pathways by Resveratrol in a Lipopolysaccharide Model of Cognitive impairment. ISBN: 978-1-119-15514-0 published by Wiley.

## Protective Effect of Biobran/MGN-3 against Sporadic Alzheimer's Disease Mouse Model: Possible Role of Oxidative Stress and Apoptotic Pathways

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Ghoneum MH, El Sayed NS. Oxid Med Cell Longev. 2021 Jan 26;2021:8845064. doi: 10.1155/2021/8845064. <https://pubmed.ncbi.nlm.nih.gov/33574982/> – 2021

## Alogliptin Attenuates Lipopolysaccharide-Induced Neuroinflammation in Mice Through Modulation of TLR4/MYD88/NF- $\kappa$ B and miRNA-155/SOCS-1 Signaling Pathways

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El-Sahar AE, Shiha NA, El Sayed NS, Ahmed LA. Int J Neuropsychopharmacol. 2021 Feb 15;24(2):158-169 <https://pubmed.ncbi.nlm.nih.gov/33125461/> – 2021

## Mechanisms of the Procognitive Effects of Xanthotoxin and Umbelliferone on LPS-Induced Amnesia in Mice

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<https://pubmed.ncbi.nlm.nih.gov/33579030/> – 2021

Kurach Ł, Kulczycka-Mamona S, Kowalczyk J, Skalicka-Woźniak K, Boguszewska-Czubara A, El Sayed N, Osmani M, Iwaniak K, Budzyńska B. Int J Mol Sci. 2021 Feb 10;22(4):1779. doi: 10.3390/ijms22041779.

## Neuroprotective Effects of Telmisartan and Nifedipine Against Cuprizone-Induced Demyelination and Behavioral Dysfunction in Mice: Roles of NF- $\kappa$ B and Nrf2

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Abd El Aziz AE, Sayed RH, Sallam NA, El Sayed NS. Inflammation. 2021 Mar 11. doi: 10.1007/s10753-02 <https://pubmed.ncbi.nlm.nih.gov/33709265/> – 2021

## Nourin-Associated miRNAs: Novel Inflammatory Monitoring Markers for Cyclocreatine Phosphate Therapy in Heart Failure

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<https://pubmed.ncbi.nlm.nih.gov/33808213/> – 2021

Elgebaly SA, Todd R, Kreutzer DL, Christenson R, El-Khazragy N, Arafa RK, Rabie MA, Mohamed AF, Ahmed LA, El Sayed NS. Int J Mol Sci. 2021 Mar 30;22(7):3575. doi: 10.3390/ijms22073575.

## Triblock Copolymer Bioinks in Hydrogel 3D Printing for Regenerative Medicine - a Focus on PF127

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<https://www.liebertpub.com/doi/abs/10.1089/ten.TEB.2021.0026> – 2021

Shamma RN, Sayed RH, Madry H, El Sayed NS, Cucchiari M. Tissue Eng Part B Rev. 2021 Apr 5. doi: 10.1089/ten.TEB.2021.0026.

## **Umuhengerin Neuroprotective Effects in Streptozotocin-Induced Alzheimer's Disease Mouse Model via Targeting Nrf2 and NF- $\kappa$ B Signaling Cascades**

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Alaa Sirwi, Nesrine S. El Sayed, Hossam M. Abdallah, Sabrin R. M. Ibrahim, Gamal A. M  
<https://doi.org/10.3390/antiox10122011> – 2021  
Antioxidants, 2021, 10, 2011.

## **Resveratrol-Loaded Vesicular Elastic Nanocarriers Gel in Imiquimod-Induced Psoriasis Treatment: In Vitro and In Vivo Evaluation**

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Mahmoud A. Elgewelly, Soha M. Elmasry, Nesrine S El Sayed, Haidy Abbas  
<https://doi.org/10.1016/j.xphs.2021.08.023> – 2021  
Journal of Pharmaceutical Sciences (2021) 1–15

## **Mangostanaxanthone IV Ameliorates Streptozotocin-Induced Neuro-Inflammation, Amyloid Deposition, and Tau Hyperphosphorylation via Modulating PI3K/Akt/GSK-3 $\beta$ Pathway**

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Hossam M. Abdallah , Nesrine S. El Sayed, Alaa Sirwi , Sabrin R. M. Ibrahim, Gamal  
<https://doi.org/biology10121298> – 2021  
Biology 2021, 10, 1298

## **Impedimetric Sensors for Cyclocreatine Phosphate Determination in Plasma Based on Electropolymerized Poly(o-phenylenediamine) Molecularly Imprinted Polymers**

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Ibrahim F. Abo-Elmagd, Amr M. Mahmoud, Medhat A. Al-Ghobashy, Marianne Nebsen, Nesrine S. El Sayed  
<https://doi.org/10.1021/acsomega.1c05098> – 2021  
ACS Omega, 2021

## **Superparamagnetic iron oxide loaded chitosan coated bilosomes for magnetic nose to brain targeting of resveratrol**

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Haidy Abbas, Hanan Refai, Nesrine El Sayed, Laila Ahmed Rashed, Mohamed R. Mousa, Mariam Zewail  
<https://doi.org/10.1016/j.ijpharm.2021.121244> – 2021  
International Journal of Pharmaceutics 610 (2021) 121244

## **Tadalafil and bergapten mitigate streptozotocin-induced sporadic Alzheimer's disease in mice via modulating neuroinflammation, PI3K/Akt, Wnt/ $\beta$ -catenin, AMPK/mTOR signaling pathways**

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Mohamed A. Salem, Barbara Budzyńska, Joanna Kowalczyk, Nesrine S. El Sayed, Suzan M. Mansour  
<https://doi.org/10.1016/j.taap.2021.115697> – 2021  
Toxicology and Applied Pharmacology 429 (2021) 115697

## **Enhancement of Insulin/PI3K/Akt Signaling Pathway and Modulation of Gut Microbiome by Probiotics Fermentation Technology, a Kefir Grain Product, in Sporadic Alzheimer's Disease Model in Mice**

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Nesrine S. El Sayed, Esraa A. Kandil and Mamdooh H. Ghoneum  
[10.3389/fphar.2021.666502](https://doi.org/10.3389/fphar.2021.666502) – 2021  
Front. Pharmacol. 12:666502

## **Probiotics Fermentation Technology, a Novel Kefir Product, Ameliorates Cognitive Impairment in Streptozotocin-Induced Sporadic Alzheimer's Disease in Mice**

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Nesrine S. El Sayed ,Esraa A. Kandil , and Mamdooh H. Ghoneum

<https://doi.org/10.1155/2021/5525306> – 2021

Oxidative Medicine and Cellular Longevity, Volume 2021, Article ID 5525306, 1-18

## **Roflumilast ameliorates cognitive deficits in a mouse model of amyloidogenesis and tauopathy: Involvement of nitric oxide status, A $\beta$ extrusion transporter ABCB1, and reversal by PKA inhibitor H89**

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Nada H. Ashour , Dalia M. El-Tanbouly , Nesrine S. El Sayed, Mahmoud M. Khattab

<https://doi.org/10.1016/j.pnpbp.2021.110366> – 2021

Progress in Neuropsychopharmacology & Biological Psychiatry 111 (2021) 110366

### **● CONFERENCES AND SEMINARS**

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03/12/2020 – 03/12/2020 – Online Workshop

#### **The institutional meetings “Choose France 2020”**

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13/11/2020 – 17/11/2020 – The American Heart Association

#### **Scientific Sessions 2020**

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The American Heart Association is accredited by the American Nurses Credentialing Center (ANCC), the Accreditation Council for Pharmacy Education (ACPE), and the Accreditation Council for Continuing Medical Education (ACCME), to provide continuing education for the healthcare team. This activity was designated for 35 AMA PRA Category 1 Credit(s)<sup>™</sup>.

09/11/2020 – 13/11/2020

#### **“Digital Transformation in African Higher and Tertiary Education”**

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Attended

13/10/2020 – 13/10/2020

#### **Panel discussion: International academic collaboration: The back door remedy to a global crisis?!**

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Attended

11/07/2020 – 15/07/2020

#### **FENS 2020 Virtual Forum**

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18/06/2020 – 18/06/2020

#### **The Webinar jointly organized by CLICKS and AUF titled “Student Assessment in Online Learning Environments”**

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Attended

01/06/2020 – 02/06/2020 – Attended

#### **The virtual conference on Lysosomal diseases**

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01/04/2020 – 05/04/2020 – E-poster presentation  
**The 2nd AAT-AD/PD™ 2020 Focus Meeting**

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08/03/2020 – 09/03/2020 – Cairo, Egypt  
**The 4th Annual Arab International Pharmacy Conference**

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Attended

05/02/2020 – 06/03/2020 – Rome, Italy  
**The 22nd International Conference on Biochemical and Clinical Pharmacology**

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Oral presentation and session chair

07/07/2018 – 11/07/2018 – Berlin, Germany  
**The 11th FENS Forum of Neuroscience**

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Poster Presentation

28/11/2017 – 29/11/2017 – AUC, Cairo, Egypt  
**THE First Regional Symposium in Neuroethics**

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Attended

29/03/2017 – 02/04/2017 – Vienna, Austria  
**The 13th international conference on alzheimer's and parkinson's (ADPD)**

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Poster Presentation

19/01/2017 – 20/01/2017 – Cairo, Egypt  
**The 9th Breast-Gynechological&Immunooncology International Cancer Conference**

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Attended

03/09/2015 – 06/09/2015 – Prague, Czech Republic  
**The 2nd World Congress on Neurotherapeutics (DDN). Dilemmas, Debates, Discussions**

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Poster Presentation

17/09/2014 – 19/09/2014 – De Doelen, Rotterdam, The Netherlands  
**The 10th International Congress of the European Union Geriatric Medicine Society**

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Oral presentation

10/04/2014 – 13/04/2014 – Corfu-Greece  
**1st world congress in geriatrics and neurodegenerative diseases in 10-13 April, 2014**

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Oral Presentation

08/12/2013 – 11/12/2013 – Geneva, Switzerland.  
**The XX World Congress on Parkinson's Disease and Related Disorders**

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E-poster

21/09/2013 – 26/09/2013 – Vienna-Austria

**The XXI World Congress of Neurology**

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Accepted abstract

19/07/2010 – 23/07/2010 – Barcelona, Spain

**The XII International Congress of Toxicology.**

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Poster Presentation

12/07/2009 – 15/07/2009 – Edinburgh, Scotland

**The 9th conference of Basic and Clinical Pharmacology and Toxicology**

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Poster Presentation

● **PROJECTS**

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19/05/2019 – 19/05/2021

**To Determine the Capability of the Cardioprotective Cyclocreatine Phosphate to Reduce the Progression of Myocardial Infarction to Heart Failure in the Standard ISO Rat Model**

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Principal investigator of the project:(ASRT Jesor, № 2371, 2019-2021)

2013 – 2015

**Anti-Alzheimer Effect of Gingerol and Paradol, Major Constituents of Ginger; Emphasis on Inhibition of  $\beta$ -Amyloid, COX-2 and Secretases**

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Co-PI in the Project (DSR, King Abdulaziz University) 2013-2015.

**Hepatoprotective Activity of Aframomum megueta Against CCl<sub>4</sub>-Induced Damage on the Rat Hepatocytes; Possible Role of the inhibition of Apoptosis and Pro-inflammatory Cytokines.**

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Co-PI of the project (DSR, King Abdulaziz University)

● **NETWORKS AND MEMBERSHIPS**

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2017 – CURRENT

**German Neuroscience Society**

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2012 – 2013

**The international society for the study of xenobiotics(ISSX)**

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2013 – 2015

**European behavioural pharmacology society (ebps)**

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2018 – CURRENT

**Institutional Animal Care and Use Committee in Cairo University**

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2020 – CURRENT

**Ethics Committee in Faculty of pharmacy, Cairo University**

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2020 – CURRENT

**Arbitrator to check the scientific production for the positions of professors and assistant professor in Cairo University**

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2020 – CURRENT

**Member of the editorial board of the Egyptian Journal of Basic and Clinical Pharmacology**

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**Member in the faculty of pharmacy council, Cairo university (2019-till now)**

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## ● **ORGANISATIONAL SKILLS**

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**Principal investigator and Co- PI in many projects**

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**Teaching of the Pharmacovigilance Diploma 2017-Ongoing for postgraduates**

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**Academic coordinator of the mobility agreement under the framework of Erasmus+ KA107 between Cairo University and Medical University in Lublin-Poland (2019-2023).**

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**Teaching in the certificate of Management of Poisoning as a part of the EU-funded Erasmus + project (IT-based international diploma and professional certificate in clinical toxicology ITCT)**

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**Coordinator and teaching of Clinical Pharmacology, Therapeutics I, Toxicology, Pharmacology II and First aid courses for undergraduates**

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**Teaching and trainer the course of: "Drug development Anticancer Process" for postgraduates**

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Organized by the ministry of health and population in collaboration with the national training institute

## ● **MANAGEMENT AND LEADERSHIP SKILLS**

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**Head of department of pharmacology and toxicology, faculty of pharmacy, Cairo University.**

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**Director of the International Relation Bureau in Faculty of Pharmacy, Cairo University**

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**Head of the control of examination office of first year students (PharmD) in Faculty of Pharmacy, Cairo University**

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**Supervisor of the behavioural animal lab in the faculty of pharmacy-German University in Cairo**

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Supervisor of master and PhD thesis in Faculty of Pharmacy, Cairo University and German University in Cairo

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Organization and supervision of First Aid workshop in cooperation with the Egyptian Red Crescent for the academic and administrative staff members in the period from 30 November to 2nd December 2019.

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Organization of a First aid workshop in cooperation with "Johanniter-Unfall-Hilfe institute in Berlin-Germany for the undergraduates 2012 in Berlin.

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Organization of a workshop entitled: Intravenous fluid therapy & Total parenteral nutrition: Clinical implications for hospitalized patients in cooperation with sales manager at Egypt Otsuka pharmaceutical company.

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Supervisor of a training program of students in Egypt's Abbasiya Mental Health Hospital in summer 2017

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## ● **HONOURS AND AWARDS**

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Cairo university prizes in scientific publishing from 2015-2020 – Cairo University

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Reviewer of grant proposals to be funded by the faculty of pharmacy, Cairo University (2019-2020). – Cairo University

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Reviewer of 5 grant proposals funded by STDF – Science and Technology Development Fund

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Reviewer of two grant proposals within the Life Sciences LS1 (Molecular biology, structural biology, biotechnology) and LS7 (Diagnostic tools, therapies and public health) Panels in 2020 – The National Science Centre in Poland.

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