

Curriculum Vitae

Assist. Prof. Dr. Hussam W. Al-Humadi:

Physician, MBChB, MSc, PhD, Dean, College of Pharmacy-University of Babylon



<u>Name</u>	HUSSAM WAHAB AL-HUMADI
<u>Title</u>	Assist. Prof. Dr.
<u>Position</u>	Dean, College of Pharmacy
<u>Place of birth</u>	Hilla- Babylon -Iraq
<u>Date of birth</u>	25/05/1974
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Education:

- 2006-2011** National and Kapodistrian University of Athens –Medical School (Ph.D) Medicine & Pharmacology.
- 2001-2004** Medical College, Al-Nahrain University. Degree awarded/ Master (M.Sc) in Pharmacology
- 1992-1998** College of Medical, Al-Nahrain University. Degree awarded: Bachelor in Medicine and General Surgery (M.B,Ch.B).

Clinical and Academic experience:

- 2017-Now** Dean, College of Pharmacy-University of Babylon
- 2013- Now** Head of Pharmacology & Toxicology department-Pharmacy College University of Babylon –Iraq.
- 2016-Now** Member of Ministerial Scientific Committee for supporting postgraduate Studies in Iraq (Medical Group)
- 2013-Now** Memberships and director for many academic and scientific committees
- 2006-Now** Member of the international network (Medical research:Iraq+UK+GR universities)
- 2011-2013** Lecturer at Pharmacology department-Kerbala college of Medicine.
- 2009-2010** Hospital Resident in General Surgery- General University Hospital Laikou. Greece.
- 2007-2009** Volunteer in a Polyclinic of Athens “Doctors of the World”-UN-Greece
- 2006-2011** Researcher and Reviewer (Medical School of Athens- Greece).
- 2005-2006** Director of Kerbala University Presidency.
- 2004-2006** Director of Pharmacology and Therapeutics Department, Medical College, Kerbala University, Iraq.
- 2004-2006** Director of Scientific Affairs-Medical College of Kerbala University.
- 2004-2004** Pharmacy Department (Al-Russafa Health Office/ Ministry of Health/ BGD/Iraq.
- 2001-2001** House Officer and Senior House Officer, / Al-Rashad Hospital/MOH/BGD/Iraq.
- 1998-2004** House Officer and Senior House Officer in surgical, medicine, & different Clinical fields and emergency in period 1998-2004 Al Kadhymia, Teaching Hospital, Baghdad, and Ibn-Al-Baitar Center for Cardiac Surgery, Baghdad /Iraq.

Teaching activities

- 2016-Now** Assist.Prof.Pharmacology for Postgraduates in Dentistry College-University of Babylon
2013-Now Assist. Prof & Head of Pharmacology & Toxicology Department-Pharmacy College-University of Babylon-Iraq (Pharmacology, Toxicology & Therapeutics)
2011-2013 Lecturer at the Medical College of Kerbala-Iraq (Pharmacology & therapeutics)
2008-2011 Participate in the teaching of different experimental designs for the postgraduate PhD students.
2004-2006 Assist. Lecturer/Medical College and Dentistry College// Iraq.

Laboratory experience:

Animal handling techniques. Special techniques such as Western blotting-PCR-immunohistochemistry- Eliza & Enzyme assay, DNA extraction, Pharmacokinetic & Pharmacodynamics assessment by Peristaltic machine etc.

Biostatistics' experience

Good ability to deal in biostatistics software programs (Spss, Excel, Graphpad.).

Foreign Language

- English: TOFEL test (ITP/TOFEL-520)
- Greek: A certificate in Modern Greek Language May-2007/ Athens/Greece.
- Arabic : (Native language)

Current memberships

- 2013-** American Association of Clinical Endocrinologists AACE 14193
2013- European Association of Endocrinology ESE 512626
2009 - Athens Medical Association AMA-069339
2007 - Greek Society of Pharmacology GSP
1998 - Iraqi Medical Association IMA.

Scientific Reviewer at :

1. JNSBM (Journal of Neuroscience Biology and Medicine) medknow publisher-indexed in Pubmed, Copernicus, and Scopus.
2. CEPP journal (scopus, pubmed, ISI)
3. Annal Research Hospital journal
4. Central organization for standardization and quality control(COSQ-Iraq)
5. BMJ – Iraq (Babylon Medical Journal)
6. MJK –Iraq (Medical Journal of Kerbala)
7. Scientific journal of sciences – Iraq

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Subject: Endocrinology & Metabolism; Gastroenterology & Hepatology;
General & Internal Medicine; Pharmacology & Pharmacy

Editorial membership:

1. Journal of Medicines Development Sciences
2. Journal of Drug Design and Medicinal Chemistry
3. SCIREA Journal of Pharmacy
4. SCIREA Journal of Clinical Medicine
5. SCIREA Journal of Health
- 6.

Awards and Scholarships

- 2011** Honourable Mention/ Ministry of Higher Education and Scientific Research / Iraq / Science Day 4-6-2011.
- 2008** Honourable Mention/Scientific Society of the Hellenic Medical Students
- 2006-2010** Scholarship of IKY Foundation.
- 2006-2016** Many certificates of acknowledgments from the Ministers, Chancellors of the Universities and medical and academic institutes.

Invited Speaker in scientific events:

1. **Gene therapy trials on Thyroid Cancer** at 14th Scientific Congress of the Hellenic Medical Students / 2nd International Forum of the Hellenic Medical Students & Junior Doctors | 2008, Athens
2. **Lights on Gene therapy** at 13th Scientific Congress of the Hellenic Medical Students / 1st International Forum of the Hellenic Medical Students & Junior Doctors | 2007, Athens.

Chapter authorship of internationally-circulated books:

1. Liapi C, Zarros A, Galanopoulou P, Theocharis S, Skandali N, **Al-Humadi H**, Anifantaki F, Gkrouzman E, Mellios Z, Tsakiris S. Manganese effects on the adult rat brain antioxidant status and the activities of acetylcholinesterase, (Na⁺,K⁺)-ATPase and Mg²⁺-ATPase: modulation by L-cysteine. In: Collery P, Maynard I, Theophanides T, Khassanova L, Collery T (editors). Metal Ions in Biology and Medicine - Volume 10. Proceedings of the 10th International Symposium on Metal Ions in Biology and Medicine (Bastia 2008). *John Libbey Eurotext*, Paris 2008, 670-675 (ISBN: 978-2-7420-0714-1).

Publications in Journals indexed in PubMed.gov

1. Liapi C, Zarros A, Galanopoulou P, Theocharis S, Skandali N, **Al-Humadi H**, Anifantaki F, Gkrouzman E, Mellios Z, Tsakiris S. Effects of short-term exposure to manganese on the adult rat brain antioxidant status and the activities of acetylcholinesterase, (Na⁺,K⁺)-ATPase and Mg²⁺-ATPase: modulation by L-cysteine. *Basic & Clinical Pharmacology & Toxicology* 2008; 103(2): 171-175.
2. Liapi C, Zarros A, Theocharis S, **Al-Humadi H**, Anifantaki F, Gkrouzman E, Mellios Z, Skandali N, Tsakiris S. The neuroprotective role of L-cysteine towards the effects of short-term exposure to lanthanum on the adult rat brain antioxidant status and the activities of acetylcholinesterase, (Na⁺,K⁺)- and Mg²⁺-ATPase. *BioMetals* 2009; 22(2): 329-335.

3. Liapi C, Kyriakaki A, Zarros A, **Al-Humadi H**, Stolakis V, Gkrouzman E, Anifantaki F, Skandali N, Margaritis M, Tsakiris S. Effects of adult-onset choline deprivation on the activities of acetylcholinesterase, (Na⁺,K⁺)- and Mg²⁺-ATPase in crucial rat brain regions. *Food and Chemical Toxicology* 2009; 47(1): 82-85.
4. Zarros A, Liapi C, Galanopoulou P, Marinou K, Mellios Z, Skandali N, **Al-Humadi H**, Anifantaki F, Gkrouzman E, Tsakiris S. Effects of adult-onset streptozotocin-induced diabetes on the rat brain antioxidant status and the activities of acetylcholinesterase, (Na⁺,K⁺)- and Mg²⁺-ATPase: modulation by L-cysteine. *Metabolic Brain Disease* 2009; 24(2): 337-348.
5. Liapi C, **Al-Humadi H**, Zarros A, Galanopoulou P, Stolakis V, Gkrouzman E, Mellios Z, Skandali N, Anifantaki F, Tsakiris S. Combined thirty-day exposure to thioacetamide and choline-deprivation alters serum antioxidant status and crucial brain enzyme activities in adult rats. *Metabolic Brain Disease* 2009; 24(3): 441-451.
6. **Al-Humadi H**, Zarros A, Al-Saigh R, Liapi C. Genetic basis and gene therapy trials for thyroid cancer. *Cancer Genomics & Proteomics* 2010; 7(1): 31-49.
7. Liapi C, Kyriakaki A, Zarros A, Galanopoulou P, **Al-Humadi H**, Dontas I, Voumvourakis K, Tsakiris S. Choline-deprivation alters crucial brain enzyme activities in a rat model of diabetic encephalopathy. *Metabolic Brain Disease* 2010; 25(3): 269-276.
8. Liapi C, Zarros A, Theocharis S, Voumvourakis K, Anifantaki F, Gkrouzman E, Mellios Z, Skandali N, **Al-Humadi H**, Tsakiris S. Short-term exposure to nickel alters the adult rat brain antioxidant status and the activities of crucial membrane-bound enzymes: neuroprotection by L-cysteine. *Biological Trace Element Research* 2011; 143(3): 1673-1681
9. **Al-Humadi H**, Zarros A, Kyriakaki A, Al-Saigh R, Liapi C. Choline deprivation: an overview of the major hepatic metabolic response pathways. *Scandinavian Journal of Gastroenterology*. 2012; 47(8-9): 874-886.
10. **Al-Humadi H**, Theocharis S, Dontas I, Stolakis V, Zarros A, Kyriakaki A, Al-Saigh R, Liapi C. Hepatic injury due to combined choline-deprivation and thioacetamide administration: an experimental approach to liver diseases. *Dig Dis Sci*. 2012; 57(12):3168-77.
11. Zarros A, Liapi C, **Al-Humadi H**, Almpani M, Stolakis V, Skandali N, Voumvourakis K, Katsouni E, Tsakiris S. Experimentally-induced Wernicke's encephalopathy modifies crucial rat brain parameters: the importance of Na(+),K(+)-ATPase and a potentially neuroprotective role for antioxidant supplementation. *Metab Brain Dis*. 28(3); 387-96. 2013
12. Bimpis A, Papalois A, Tsakiris S, Kalafataki K, Zarros A, Gkanti V, Skandali N, **Al-Humadi H**, Kouzelis C, Liapi C. Modulation of crucial adenosinetriphosphatase activities due to U-74389G administration in a porcine model of intracerebral hemorrhage. *Metab Brain Dis*.(28)3; 439-46 2013.
13. Charis Liapia, Vasileios Stolakis,a, Apostolos Zarros,b, Konstantinos M. Zissis,b, John Botisa, **Hussam Al-Humadi**, Stylianos Tsakiris. Gestational exposure to cadmium alters crucial offspring rat brain enzyme activities: The role of cadmium-free lactation. *Environ Toxicol Pharmacol*. 2013; 36: 835–839.
14. Christos Koromilas, Charis Liapi, Apostolos Zarros, Vasileios Stolakis, Anastasia Tsagianni, Nikolina Skandali, **Hussam Al-Humadi**, and Stylianos Tsakiris. Effects of experimentally-induced maternal hypothyroidism on crucial offspring rat brain enzyme activities. *Environ Toxicol Pharmacol*. 2014: (36)3, 439-46.
15. **H. Al-Humadi**. Choline deprivation modifies crucial hepatic markers of the insulin signaling pathway in streptozotocin-induced diabetic rats. *Diabetes Technology & Therapeutics*. Paris-France,February 2017, 19(S1): A-1-A-133
16. Wisam Alhamadi, Rafal J. Al-Saigh, Nebras N. Al-Dabagh, **Hussam W. Al-Humadi**. Oral Candida in Patients with Fixed Orthodontic Appliance: In Vitro

- Combination Therapy. *BioMed Research International*. 2017: Article ID 1802875:1-8. <https://doi.org/10.1155/2017/1802875>
17. **Hussam Wahab Al-Humadi**, Rafal Jalil Al-Saigh , Ahmed W Al-Humadi. Addressing the Challenges of Tuberculosis: A Brief Historical Account. *Front. Pharmacol. - Experimental Pharmacology and Drug Discovery*. published: 26 September 2017; e 8 (Article 689):1-10. doi: 10.3389/fphar.2017.00689.
 18. **Hussam Al-Humadi**, Ahmed Alhumadi, Rafal Al-Saigh, Athina Strilakou , Andreas Lazaris, Maria Gazouli, Charis Liapi. Extracellular matrix remodelling in the liver of rats subjected to dietary choline deprivation and/or thioacetamide administration. *Clinical and Experimental Pharmacology and Physiology*. 18 July 2018. doi.org/10.1111/1440-1681.13013.
 19. **Hussam W. Al-Humadi**, Rafal J. Al-Saigh , Ahmed W Sahib. The Impact of Low Alcohol Consumption on Liver and Inflammatory Cytokines in Diabetic Rats. *Advances in clinical and experimental medicine* official organ Wroclaw Medical University. 2019;28(3):1-8. DOI: 10.17219/acem/77085
 20. Elliott C, **Al-Humadi H**, Gutierrez-Quintana R, Zarros A. Brain N-acetylaspartate accumulation in Canavan disease is not neurotoxic per se: the implications of the first gene replacement therapy study to demonstrate successful post-symptomatic treatment in mice. *Annals of Research Hospitals*. 2018;2:1-4. doi: 10.21037/arh.2018.04.01
 21. Rafal J. Al-Saigh, **Hussam W. Al-Humadi**. The Immuno modulatory Changes of Patients with Tuberculosis. *International Journal of Research in Pharmaceutical Sciences*. Vol 9 No SPL1 (2018); 9 (1):1-9. doi.org/10.26452/ijrps.v9iSPL1.1386
 22. **Al-Humadi H**, Leptin and sepsis: a translational interpretation of recent findings. (Review). *Annal Research Hospital*. 2018 [submitted].
 23. Argyro Miltiades KYRIAKAKI, Ahmed Wahab AL-HUMADI, **Hussam Wahab AL-HUMADI**, Athina Antonios STRILAKOU, Rafal Jalil AL-SAIGH, Nikolaos Konstantinos TENTOLOURIS, Charis Anastaios LIAPI. Dietary choline deprivation aggravates hyperglycemia and fatty liver disease in non-obese streptozotocin-induced diabetic rats. *Journal of diabetes*. 2018. [submitted].
 24. **Hussam Al-Humadi**, Ahmed Alhumadi, Charis Liapi. Novel Insight on The Impact of Choline Deficiency in Sepsis. *Annal Research Hospital*. 2018 [submitted].

Publications in Journals not indexed in PubMed.gov

1. Ζάρρος Α, Σκανδάλη Ν, **Al-Humadi H**, Λιάπη Χ. Το κάδμιο (Cd) ως παράγοντας πρόκλησης καρκίνου του πνεύμονα. *Πνεύμων* 2008; 21(2): 167-171.
2. Zarros A, Skandali N, **Al-Humadi H**, Liapi C. Cadmium (Cd) as a carcinogenetic factor and its participation in the induction of lung cancer. *Pneumon* 2008; 21(2): 172-177.
3. Liapi C, Zarros A, Theocharis S, **Al-Humadi H**, Anifantaki F, Gkrouzman E, Mellios Z, Skandali N, Tsakiris S. Lanthanum effects on the adult rat brain antioxidant status and adenotriphosphatase activities: modulation by L-cysteine. *Review of Clinical Pharmacology and Pharmacokinetics* 2008; 22(2): 221-223.
4. Zarros A, Liapi C, Galanopoulou P, Marinou K, Mellios Z, Skandali N, **Al-Humadi H**, Anifantaki F, Gkrouzman E, Tsakiris S. Changes in the diabetic rat brain antioxidant status and acetylcholinesterase activity: modulation by L-cysteine. *FEBS Journal* 2008; 275(1S): 355.
5. Liapi C, Zarros A, Theocharis S, Galanopoulou P, Anifantaki F, Gkrouzman E, Mellios Z, Skandali N, **Al-Humadi H**, Tsakiris S. Effects of nickel on the

- adult rat brain Na⁺,K⁺-ATPase and Mg²⁺-ATPase activities: L-cysteine as a modulator. *Fundamental and Clinical Pharmacology* 2008; 22(2S): 58.
6. Zarros A, Liapi C, Galanopoulou P, Marinou K, Mellios Z, Skandali N, **Al-Humadi H**, Anifantaki F, Gkrouzman E, Tsakiris S. Changes in the diabetic rat brain Na⁺,K⁺-ATPase and Mg²⁺-ATPase activities: *in vivo* and *in vitro* modulation by L-cysteine. *Fundamental and Clinical Pharmacology* 2008; 22(2S): 101-102.
 7. **Al-Humadi H**, Liapi C, Zarros A, Galanopoulou P, Stolakis V, Gkrouzman E, Mellios Z, Skandali N, Anifantaki F, Tsakiris S. Changes in the adult rat brain activities of Na⁺,K⁺-ATPase and Mg²⁺-ATPase due to 30-day dietary choline-deprivation and/or thioacetamide administration. *Toxicology Letters* 2008; 180(S): 94-95.
 8. Liapi C, Zarros A, Theocharis S, Galanopoulou P, Anifantaki F, Gkrouzman E, Mellios Z, Skandali N, **Al-Humadi H**, Tsakiris S. Effects of nickel on the adult rat brain antioxidant status and the activity of acetylcholinesterase: L-cysteine as a modulator. *Toxicology Letters* 2008; 180(S): 207.
 9. Λιάπη Χ, **Al-Humadi H**, Κοσμά Κ, Ζάρρος Α, Γαλανοπούλου Π, Στολάκης Β, Λιάτσος Κ, Γκρούζμαν Ε, Μέλλιος Ζ, Σκανδάλη Ν, Ανυφαντάκη Φ, Τσακίρης Σ. Μεταβολές στη δραστηριότητα της ακετυλχολινεστεράσης εγκεφάλου ενηλίκων επιμύων μετά από χορήγηση θειοακεταμίδης ή/και ελλιπούς σε χολίνη διαίτας: ο ρόλος του οξειδωτικού στρες και της *in vitro* επώασης με L-καρνιτίνη. *Επιθεώρηση Κλινικής Φαρμακολογίας και Φαρμακοκινητικής* 2009; 27(1): 53-55.
 10. Zarros A, Liapi C, **Al-Humadi H**, Almpani M, Stolakis V, Skandali N, Katsouni E, Tsakiris S. Inhibition of acetylcholinesterase activity in a rat model of Wernicke's encephalopathy: *in vivo* and *in vitro* effects of thiamine. *Basic & Clinical Pharmacology & Toxicology* 2010; 107(S1): 681.
 11. A Zarros, C Liapi, **Hussam Al-humadi**, M Almpani, V Stolakis, N Skandali, E Katsouni, S Tsakiris. Focused Conference Group: P17-New Approaches And Targets In Psychiatry Inhibition Of Acetylcholinesterase Activity In A Rat Model Of Wernicke's Encephalopathy: *in Vivo* and *in Vitro* effects Of Thiamine. *Basic & Clinical Pharmacology & Toxicology*, 2010; 107:681.
 12. A. Strilakou; I. Mourouzis; A. Lazaris; I. Douzis; A. Perelas; K. Stylianaki; **H. Al-Humadi**; A. Zarros; S. Tsakiris; C. Liapi. Effect of choline deficient diet on myocardial performance : the role of carnitine: P147. *Basic & Clinical Pharmacology & Toxicology*. 109:103, JUN 2011.
 13. **Hussam Al-Humadi**. Participation of choline-deficient diet in the experimentally-induced hepatic cirrhosis in rats. <http://hdl.handle.net/10442/hedi/27396>. National and Kapodistrian university of Athens-Medical school (EKPIA): DOI: 10.12681/eadd/27396.
 14. Charis Liapi, Argyro Kyriakaki, Athina Strilakou, **Hussam Al-Humadi**, Evangelos Frangkoulis, Nikolaos Tentolouris, Maria Gazouli and Nikolaos Anagnou. Choline deprivation alters the expression of matrix metalloproteinases (MMPs) in the liver of streptozotocin (STZ) - induced diabetic rats. *The Endocrine Society's 95th Annual Meeting and Expo, June 15–18, 2013 - San Francisco* MON-830
 15. **Hussam Wahab Al-Humadi**. Impact of Human Serum on Pharmacodynamic Action of Echinocandins against *Aspergillus* spp.: an *in Vitro* Study. *MEDICAL JB*; 2015;12(3): 603-611.
 16. **Hussam W. Al-Humadi**. The Neuroprotective Effect of L-Cysteine Towards

Cadmium or Nickel Neurotoxicity on Adult Rat Brain Antioxidant Status and Acetylcholinesterase Activity. *Kerbala jorunal of Medicine*; 2015:8(1): 2043-2048.

Communication in Scientific Congresses:

- **In Greece**

1. Λεβεντάκος Α, Ζάρρος Α, **Al-Humadi H**, Λιάπη Χ. Νευροτοξικότητα του χρωμίου (Cr): ανασκόπηση της βιβλιογραφίας. *14ο Επιστημονικό Συνέδριο Φοιτητών Ιατρικής Ελλάδος - 2nd International Forum of the Hellenic Medical Students & Junior Doctors* 2008; 9-11/5, Athens.
2. Ζάρρος Α, Σκανδάλη Ν, **Al-Humadi H**, Λιάπη Χ. Καρκίνος του πνεύμονα και κάδμιο (Cd): μία ανασκόπηση της συσχέτισης τους. *14ο Επιστημονικό Συνέδριο Φοιτητών Ιατρικής Ελλάδος - 2nd International Forum of the Hellenic Medical Students & Junior Doctors* 2008; 9-11/5, Athens.
3. Liapi C, Kyriakaki A, Zarros A, **Al-Humadi H**, Stolakis V, Gkrouzman E, Anifantaki F, Skandali N, Margaritis M, Tsakiris S. Effects of adult-onset choline deprivation on crucial rat brain regions' enzyme activities. *22nd Conference of the Hellenic Society for Neuroscience* 2008; 16-19/10, Athens.
4. Λιάπη Χ, **Al-Humadi H**, Κοσμά Κ, Ζάρρος Α, Γαλανοπούλου Π, Στολάκης Β, Λιάτσος Κ, Γκρούζμαν Ε, Μέλλιος Ζ, Σκανδάλη Ν, Ανυφαντάκη Φ, Τσακίρης Σ. Μεταβολές στη δραστικότητα της ακετυλχολινεστεράσης εγκεφάλου ενηλίκων επιμύων μετά από χορήγηση θειοακεταμίδης ή/και ελλιπούς σε χολίνη διαίτας: ο ρόλος του οξειδωτικού στρες και της *in vitro* επώασης με L-καρνιτίνη. *9η Επιστημονική Ημερίδα Φαρμακολογίας* 2009; 8/3, Αθήνα.
5. Ζάρρος Α, Λιάπη Χ, **Al-Humadi H**, Αλμπάνη Μ, Στολάκης Β, Σκανδάλη Ν, Βουμβουράκης Κ, Κατσούνη Τσακίρης Σ. Η Δραστικότητα της Na⁺, K⁺-Αδενοσινοτριφωσφατάσης ως Δεικτης Επαρκειας των Επιπεδων Θειαμινης στο Εγκεφαλο Επιμυων υπο Πειραματικη Προσομοιωση Εγκεφαλοπαθειας Wernicke . *10^η Ημερίδα Φαρμακολογίας, Ελληνική Εταιρεία Φαρμακολογίας*, 12 Μαρτίου 2011, Αθήνα:73.
6. Στολάκης Β, Ζάρρος Α, Ζήσης Κ, Μπότης Ι, Al-Humadi H, Φέσκου Ε, Λιάπη Χ, Τσακίρης Σ. Η Κατα την Κυηση σε Καδμιο Μεταβαλλει Κρισιμες Ενζυμικες Δραστικοτητα τες στον Εγκεφαλο των Απογονων Επιμυων. *10^η Ημερίδα Φαρμακολογίας, Ελληνική Εταιρεία Φαρμακολογίας*, 12 Μαρτίου 2011, Αθήνα:82.
7. Al-Humadi H, Theocharis S, Dontas I, Stolakis V, Zarros A, Kyriakaki A, Gournas C, Liapi C. Assessment of Liver Fibrogenic Response of Choline Deficient Rats under Chronic Thiocetamide Insult. *10th Conference of Pharmacology, Hellenic Society of Pharmacology*, 12 March 2011, Athens: 45
8. Kyriakaki A, Gazouli M, Al-Humadi H, Zarros A, Anagnou N, Liapi C. Streptozotocin-Induced Diabetes Modulates IRS-1 and GLUT-2 Gene Expression in The Liver of Choline-Deprived Rats. *10th Conference of Pharmacology, Hellenic Society of Pharmacology*, 12 March 2011, Athens: 62.

• International

1. Liapi C, Zarros A, Galanopoulou P, Theocharis S, Skandali N, **Al-Humadi H**, Anifantaki F, Gkrouzman E, Mellios Z, Tsakiris S. Manganese effects on the adult rat brain antioxidant status and the activities of acetylcholinesterase, (Na⁺,K⁺)-ATPase and Mg²⁺-ATPase: modulation by L-cysteine. *10th International Symposium on Metal Ions in Biology and Medicine* 2008; 19-22/5, Bastia.
2. Liapi C, Zarros A, Theocharis S, **Al-Humadi H**, Anifantaki F, Gkrouzman E, Mellios Z, Skandali N, Tsakiris S. Lanthanum effects on the adult rat brain antioxidant status and adenotriphosphatase activities: modulation by L-cysteine. *5th Panhellenic Congress of Pharmacology* 2008; 23-25/5, Athens.
3. Zarros A, Liapi C, Galanopoulou P, Marinou K, Mellios Z, Skandali N, **Al-Humadi H**, Anifantaki F, Gkrouzman E, Tsakiris S. Changes in the diabetic rat brain antioxidant status and acetylcholinesterase activity: modulation by L-cysteine. *33rd FEBS Congress & 11th IUBMB Conference* 2008; 28/6-3/7, Athens.
4. Liapi C, Zarros A, Theocharis S, Galanopoulou P, Anifantaki F, Gkrouzman E, Mellios Z, Skandali N, **Al-Humadi H**, Tsakiris S. Effects of nickel on the adult rat brain Na⁺,K⁺-ATPase and Mg²⁺-ATPase activities: L-cysteine as a modulator. *EPHAR 2008 Congress* 2008; 13-17/7, Manchester.
5. Zarros A, Liapi C, Galanopoulou P, Marinou K, Mellios Z, Skandali N, **Al-Humadi H**, Anifantaki F, Gkrouzman E, Tsakiris S. Changes in the diabetic rat brain Na⁺,K⁺-ATPase and Mg²⁺-ATPase activities: *in vivo* and *in vitro* modulation by L-cysteine. *EPHAR 2008 Congress* 2008; 13-17/7, Manchester.
6. **Al-Humadi H**, Liapi C, Zarros A, Galanopoulou P, Stolakis V, Gkrouzman E, Mellios Z, Skandali N, Anifantaki F, Tsakiris S. Changes in the adult rat brain activities of Na⁺,K⁺-ATPase and Mg²⁺-ATPase due to 30-day dietary choline-deprivation and/or thioacetamide administration. *45th Congress of the European Societies of Toxicology (EUROTOX 2008)* 2008; 5-8/10, Rhodos.
7. Liapi C, Zarros A, Theocharis S, Galanopoulou P, Anifantaki F, Gkrouzman E, Mellios Z, Skandali N, **Al-Humadi H**, Tsakiris S. Effects of nickel on the adult rat brain antioxidant status and the activity of acetylcholinesterase: L-cysteine as a modulator. *45th Congress of the European Societies of Toxicology (EUROTOX 2008)* 2008; 5-8/10, Rhodos.
8. Liapi C, Kyriakaki A, Zarros A, Galanopoulou P, **Al-Humadi H**, Dontas I, Voumvourakis K, Tsakiris S. Effects of streptozotocin-induced diabetes on crucial brain enzyme activities in choline-deprived rats. *The Endocrine Society's 91st Annual Meeting (ENDO 2009)* 2009; 10-13/6, Washington DC.
9. Zarros A, Liapi C, **Al-Humadi H**, Almpani M, Stolakis V, Skandali N, Katsouni E, Tsakiris S. Inhibition of acetylcholinesterase activity in a rat model of Wernicke's encephalopathy: *in vivo* and *in vitro* effects of thiamine. *WorldPharma2010* 2010; 17-23/7, Copenhagen.

Congresses and Symposium participations:

1. 10th International Conference on Advanced Technologies & Treatments for Diabetes Paris, France—February 15–18, 2017.
2. 17th World Congress on Basic and Clinical Pharmacology- 2016), *Istanbul-Turkey*.

3. *Medical publication conference-2017-University of Babylon-Medical College-Iraq*
4. *Five days workshop in Pharmacology Lab. Athens-Greece- 2015.*
5. *EMBL conference of Diabetes 2014 -Heidelberg-Germany*
6. *Endocrine Society's 95th Annual Meeting (ENDO 2013) San Francisco –USA.*
7. *11th Panhellenic Congress of Pharmacology / 2013, Athens-Greece.*
8. *Physiology medical conference –Kerbala -Iraq2012*
9. *Kerbala international medical conference –Asfahan- kerbala –Iraq 2012.*
10. *Two day symposium honoring Steve Lagakos "Impact of Biostatistical Science - Advances in Research: AIDS, Cancer, Environment" October 2 & 3, 2010 , Athens.Greece*
11. *16th World Congress on Basic and Clinical Pharmacology (WorldPharma2010), Copenhagen-Denmark.*
12. *Endocrine Society's 91st Annual Meeting (ENDO 2009), Washington DC-USA*
13. *9th Scientific Meeting of Pharmacology | 2009, Athens-Greece*
14. *22nd Conference of the Hellenic Society for Neuroscience / 2008, Athens*
15. *45th Congress of the European Societies of Toxicology (45th Eurotox 2008), Rhodos*
16. *EPHAR 2008 Congress/ 2008, Mancheste-UK*
17. *33rd FEBS Congress / 11th IUBMB Conference/ 2008, Athens-Greece*
18. *5th Panhellenic Congress of Pharmacology / 2008, Athens-Greece*
19. *10th International Symposium on Metal Ions in Biology and Medicine/2008, Bastia-Corsica- France*
20. *14th Scientific Congress of the Hellenic Medical Students / 2nd International Forum of the Hellenic Medical Students & Junior Doctors / 2008, Athens-Greece*
21. *13th Scientific Congress of the Hellenic Medical Students/1st International Forum of the Hellenic Medical Students & Junior Doctors / 2007, Athens-Greece*
22. *8th Scientific Meeting of Pharmacology/ 2007, Athen- Greece*
23. *12th International Congress on the subject: hormonal steroids and hormones and cancer | 2006, Athens-Greece*
24. *International Symposium on reconstruction and development of higher education and scientific research in Iraq / 2005, Westminster.UK.*