

NAIF OBAID AL-HARBI, PhD

Professor

Nationality : Saudi

Position : Professor of Pharmacology and toxicology

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EDUCATION

PH. D degree in Pharmacology, University of Wales (U.K).

*“PHARMACOLOGICAL STUDIES WITH A NOVEL AROMATASE INHIBITOR OF
RELVANCE TO CLINICAL PHARMACY”*

Bachelor of science in pharmaceutical sciences, King saud university, Riyadh, Saudi Arabia

EXPERIENCE

Since 1438 H – till date	Professor of Pharmacology and toxicology (Pharmacology and toxicology department, college of pharmacy, king saud university).
Since 1433 – 1438 H	Associate professor of Pharmacology and toxicology (Pharmacology and toxicology department, college of pharmacy, king saud university).
Since 1429 – 1433 H	Assistant Professor, Pharmacy department (health college, M.O.H).
Since 1424 – 1429 H	Visiting Faculty at health collage, Pharmacology and Hospital pharmacy (M.O.H).
From 1424 – 1429 H	Supervisor of drug clearance (M.O.H).
From 1420 – 1424 H	Supervisor of herbal unit (M.O.H).
From 1417 – 1420 H	Director of central lab for drug and food analysis (M.O.H).
From 1416 – 1417 H	Head of pharmacy department Health college Jeddah (M.O.H).
From 1411 – 1412 H	Director of medical license in Taif (M.O.H).
From 1408 – 1409 H	Assistant director Of mobile hospital in Mena (M.O.H).
From 1405 – 1411 H	Head of pharmaceutical care at Maternity Hospital in Taif (M.O.H).

SCIENTIFIC ACTIVITY

1. Principal investigator of Research Groups Project (Project No:- RGP-VPP-305) funded by the Deanship of Scientific Research, King Saud University, Riyadh since 2013 till date.
2. Principal investigator of a project entitled “Studies on the quality and toxicity of finished herbal drug formulation marketed in the kingdom of Saudi Arabia” funds by KACST in 2007, Riyadh.

3. Co-investigator of Research Groups funded by the Deanship of Scientific Research, Taibah University, Medinah.
4. Editor-in-Chief in Pharma New Letter "Pharmapost" published by Medical Liscence Department since 2001-2006 (M.O.H).
5. Reviewer of Research Project submitted to the KACST, Riyadh.

BOOK AUTHORED

1. Study guide to pharmacology (2011)
Authers, DR. NAIF ALHARBI, DR. SALEH BAHASHWAN and DR. ZAKIRULLAH
2. Hand Book of OTC (M.O.H) from 1424 – 1429H.
Auther, DR. NAIF ALHARBI

SCIENTIFIC MEETING

1. Member in the Council of Scientific Programme in the Environmental Science, Since 1434H till date
2. Member of Drug Control Committee Programme at King Saud University, Riyadh since 1435H – 1437H.
3. Member of Interview Committee for Applicants to the Health Sciences (Colleges) Program since 1433H – 1438 H.
4. Member of supplying instrument and chemical committee pharmacology department (Pharmacy College) since 1434 – 1438 H.
5. Member of Quality committee Pharmacy college since 1433 – 1438 H.
6. Member of Quality committee Pharmacy department (Health college) 1431-1433 H.
7. Member of Description curriculum for health college 1431 – 1432 H
8. Member of Registration Committee for Herbal, Nutritional and antiseptics Pharmaceutical Products (Food and Drug authority) since 1420 -1432H.
9. Member of GMP Committee (M.O.H) 1421 -1430H.
10. Member of GMP Committee (GCC) 1422 -1430H.
11. Chairman of drug classification committee 1421-1429H, (M.O.H.).
12. Member of drug and Medical supplies committee 1418- 1422 H, (M.O.H.)
13. Member of scientific meeting for pharmacy technician drug program 1423 H (M.O.H.).
14. Member of committee of interview of new pharmacist in Syria 1423 H (M.O.H.)
15. Member committee of solving the difficulty in drug supply during1420-1427H (M.O.H.)

CONFERENCE

1. Second International Conference on Pharmaceutical Sciences (ICPPS, 2017), April 11-13 2017, Seoul, South Korea.
2. American Association of Pharmaceutical Scientists (AAPS) Annual Meeting and Exposition (25-29th October 2015), Orlando, Florida, United States.
3. The 5th Philippine pharmaceutical Research Congress (20-21 February 2015), Manila, Philippines.
4. 11th International Conference on Environmental Mutagens (3-8th November 2013), Foz de Iguacu, Brazil.
5. Immunology 2013™ the 100th Annual Meeting of the American Association of Immunologists, Hawaii Convention Center, (3-7th May 2013) Honolulu, Hawaii.
6. 7th Annual International Partnering Conference, Bio-Europe Spring 2013 (11-13 March 2013), Barcelona, Spain.
7. The 8th Annual Conference of the OOTR: Organisation for Oncology and Translational Research, (20-21 April 2012), Kyoto, Japan
8. The 4th Philippine pharmaceutical research congress on 28/11/2012, Manila, Philippines.
9. American society of tropical medicine and hygiene(59th annual meeting) held on 4 - 8th December, 2010, Philadelphia, USA.
10. 12th Annual Conference of the Egyptian Association of Immunologists, (26-28 November, 2008), Egypt.
11. Egyptian Association of Immunologists workshop. "Ethics of use of Human Subject in Medical Research and Biosafety in Research Laboratories" (26-28 November 2008), Egypt.
12. The 134th British Pharmaceutical Conferences, the Changing Delivery of Healthcare, Scarborough (15-18 September, 1997), UK.
13. 6th European Conference on the Medicinal Chemistry group of the Atlantic Arc (10-11 July 1997), France.
14. American society of tropical medicine and hygiene(60th annual meeting) held (3-7 November, 2010), Atlanta, Georgia, USA.
15. 6th international China pharmaceutical R&D conference held on 11/04/2011, China.
16. Arab health conference held (23-26 January, 2012), United Arab Emirates.
17. Pharmacotherapy in the Ambulatory Care Setting Symposium (King Fahad Medical City) held (1-2 March, 2011), Riyadh, Kingdom of Saudi Arabia.

18. Oncology Pharmacy Practice Symposium (king Faisal specialist Hospital) held (2-3 November, 2010), Riyadh, Kingdom of Saudi Arabia.
19. Teaching for learning at Georgia Institute of Technology held (26-30 July, 2010), Georgia, USA.
20. China Pharmaceutical R&D Summit held (11-13 April 2011), Shanghai, China.
21. China 2010 Pharmaceutical R&D Summit held (5-8 April, 2010), Shanghai, China.
22. The first international congress in Biotechnology held (16-18 February, 2009), Riyadh, Kingdom of Saudi Arabia.
23. World congress of pharmacy and pharmaceutical sciences 2005, Cairo, Egypt.
24. Antibiotic Resistance Awareness day Existing problem and future challenges November 2002, Riyadh, Kingdom of Saudi Arabia.
25. Herbal Medicine, phytopharmaceutical and other natural products , trends and Advances held (12-17 June, 2002), Colombo, Srilanka.
26. Opinion leader on the human Behavior time management, held on (14 April, 2002), Riyadh, Kingdom of Saudi Arabia.
27. The active communication customer care Riyadh held (17-28, 2001), Riyadh, Kingdom of Saudi Arabia.
28. 7th International congress "Therapeutic Drug Monitoring & Clinical Toxicology" held on (1-6 2000), Washington DC, USA
29. -Post marketing surveillance Training seminars held (25-27, 1997), Riyadh, Kingdom of Saudi Arabia.

SCIENTIFIC SOCIETY MEMBERSHIP:

1. Member of Saudi Pharmaceutical Society
2. Member of American Pharmacist Association
3. Member of Society of Tropical Medicine and Hygiene

PUBLICATIONS

1. **Al-Harbi NO**, Nadeem A, Ahmad SF, Al Thagfan SS, Alqinyah M, Alqahtani F, Ibrahim KE, Al-Harbi MM. Sulforaphane treatment reverses corticosteroid resistance in a mixed granulocytic mouse model of asthma by upregulation of antioxidants and attenuation of Th17 immune responses in the airways. Eur J Pharmacol. 2019 May 14; 855: 276-284.
2. Nadeem A, **Al-Harbi NO**, Ahmad SF, Ibrahim KE, Alotaibi MR, Siddiqui N, Alsharari SD, Attia SM, Al-Harbi MM. Protease activated receptor-2 mediated upregulation of IL-17 receptor signaling on airway

epithelial cells is responsible for neutrophilic infiltration during acute exposure of house dust mite allergens in mice. *Chem Biol Interact.* 2019 May 1; 304: 52-60.

3. Nadeem A, Ahmad SF, **Al-Harbi NO**, Al-Harbi MM, Ibrahim KE, Kundu S, Attia SM, Alanazi WA, AlSharari SD. Inhibition of spleen tyrosine kinase signaling protects against acute lung injury through blockade of NADPH oxidase and IL-17A in neutrophils and $\gamma\delta$ T cells respectively in mice. *Int Immunopharmacol.* 2019 Mar; 68: 39-47.
4. **Al-Harbi NO**, Nadeem A, Ahmad SF, Alanazi MM, Aldossari AA, Alasmari F. Amelioration of sepsis-induced acute kidney injury through inhibition of inflammatory cytokines and oxidative stress in dendritic cells and neutrophils respectively in mice: Role of spleen tyrosine kinase signaling. *Biochimie.* 2019 Mar; 158: 102-110.
5. **Al-Harbi NO**, Imam F, Al-Harbi MM, Al-Shabanah OA, Alotaibi MR, As Sobeai HM, Afzal M, Kazmi I, Al Rikabi AC. Rutin inhibits carfilzomib-induced oxidative stress and inflammation via the NOS-mediated NF- κ B signaling pathway. *Inflammopharmacology.* 2019; 27(4): 817-827.
6. Alzahrani KS, Nadeem A, Ahmad SF, **Al-Harbi NO**, Ibrahim KE, El-Sherbeeney AM, Alhoshani AR, Alshammari MA, Alotaibi MR, Al-Harbi MM. Inhibition of spleen tyrosine kinase attenuates psoriasis-like inflammation in mice through blockade of dendritic cell-Th17 inflammation axis. *Biomed Pharmacother.* 2019 Mar; 111: 347-358.
7. Nadeem A, Ahmad SF, Attia SM, Al-Ayadhi LY, Bakheet SA, **Al-Harbi NO**. Oxidative and inflammatory mediators are upregulated in neutrophils of autistic children: Role of IL-17A receptor signaling. *Prog Neuropsychopharmacol Biol Psychiatry.* 2019 Mar 2; 90: 204-211.
8. Nadeem A, Ahmad SF, **Al-Harbi NO**, Attia SM, Bakheet SA, Ibrahim KE, Alqahtani F, Alqinyah M. Nrf2 activator, sulforaphane ameliorates autism-like symptoms through suppression of Th17 related signaling and rectification of oxidant-antioxidant imbalance in periphery and brain of BTBR T+tf/J mice. *Behav Brain Res.* 2019 Feb 19; 364: 213-224.
9. Imam F, **Al-Harbi NO**, Al-Harbi MM, Qamar W, Algerian K, Belali OM, Alsanea S, Alanazi AZ, Alhazzani K. Apremilast ameliorates carfilzomib-induced pulmonary inflammation and vascular injuries. *Int Immunopharmacol.* 2018 Nov 27;66:260-266.
10. Imam F, **Al-Harbi NO**, Al-Harbi MM, Ansari MA, Al-Asmari AF, Ansari MN, Alanazi WA, Bahashwan S, Almutairi MM, Alshammari M, Khan MR, Alsaad MA, Alotaibi MR. Apremilast prevents doxorubicin-induced apoptosis and inflammation in heart through inhibition of oxidative stress mediated activation of NF- κ B signaling pathways. *Pharmacological Reports.* 2018 March 27. [Epub ahead of print]
11. Nadeem A, Ahmad SF, **Al-Harbi NO**, Attia SM, Alshammari MA, Alzahrani KS, Bakheet SA. Increased oxidative stress in the cerebellum and peripheral immune cells leads to exaggerated autism-like repetitive behavior due to deficiency of antioxidant response in BTBR T + tf/J mice. *Prog Neuropsychopharmacol Biol Psychiatry.* 2019 Mar 8; 89: 245-253.
12. Nadeem A, **Al-Harbi NO**, Alfardan AS, Ahmad SF, AlAsmari AF, Al-Harbi MM. IL-17A-induced neutrophilic airway inflammation is mediated by oxidant-antioxidant imbalance and inflammatory cytokines in mice. *Biomed Pharmacother.* 2018 Nov; 107: 1196-1204
13. Nadeem A, Ahmad SF, Attia SM, Al-Ayadhi LY, **Al-Harbi NO**, Bakheet SA. Dysregulated enzymatic antioxidant network in peripheral neutrophils and monocytes in children with autism. *Prog Neuropsychopharmacol Biol Psychiatry.* 2019 Jan 10; 88: 352-359.

14. Nadeem A, Ahmad SF, **Al-Harbi NO**, Siddiqui N, Ibrahim KE, Attia SM. Inhibition of BET bromodomains restores corticosteroid responsiveness in a mixed granulocytic mouse model of asthma. *Biochem Pharmacol.* 2018 Aug; 154: 222-233.
15. Alfardan AS, Nadeem A, Ahmad SF, **Al-Harbi NO**, Al-Harbi MM, AlSharari SD. Plasticizer, di(2-ethylhexyl)phthalate (DEHP) enhances cockroach allergen extract-driven airway inflammation by enhancing pulmonary Th2 as well as Th17 immune responses in mice. *Environ Res.* 2018 Jul; 164: 327-339.
16. Nadeem A, **Al-Harbi NO**, Alfardan AS, Ahmad SF, AlAsmari AF, Al-Harbi MM. IL-17A-induced neutrophilic airway inflammation is mediated by oxidant-antioxidant imbalance and inflammatory cytokines in mice. *Biomed Pharmacother.* 2018 Nov; 107: 1196-1204.
17. Nadeem A, Ahmad SF, El-Sherbeeney AM, **Al-Harbi NO**, Bakheet SA, Attia SM. Systemic inflammation in a social BTBR T+ tf/J mice predisposes them to increased psoriatic inflammation. *Prog Neuropsychopharmacol Biol Psychiatry.* 2018; 83: 8-17.
18. Nadeem A, Ahmad SF, Attia SM, Bakheet SA, **Al-Harbi NO**, Al-Ayadhi LY. Activation of IL-17 receptor leads to increased oxidative inflammation in peripheral monocytes of autistic children. *Brain Behav Immun.* 2018 Jan; 67: 335-344.
19. **Al-Harbi NO**, Nadeem A, Ahmad SF, Alotaibi MR, AlAsmari AF, Alanazi WA, Al-Harbi MM, El-Sherbeeney AM, Ibrahim KE. Short chain fatty acid, acetate ameliorates sepsis-induced acute kidney injury by inhibition of NADPH oxidase signaling in T cells. *Int Immunopharmacol.* 2018 Mar 12;58:24-31.
20. Nadeem A, **Al-Harbi NO**, Ahmad SF, Ibrahim KE, Siddiqui N, Al-Harbi MM. Glucose-6-phosphate dehydrogenase inhibition attenuates acute lung injury through reduction in NADPH oxidase-derived reactive oxygen species. *Clin Exp Immunol.* 2018 Mar;191(3):279-287.
21. Nadeem A, **Al-Harbi NO**, Ahmad SF, Ibrahim KE, Siddiqui N, Al-Harbi MM. Glucose-6-phosphate dehydrogenase inhibition attenuates acute lung injury through reduction in NADPH oxidase-derived reactive oxygen species. *Clin Exp Immunol.* 2017 Dec 25. doi: 10.1111/cei.13097. [Epub ahead of print]
22. Hafez MM, Hamed SS, El-Khadragy MF, Hassan ZK, Al Rejaie SS, Sayed-Ahmed MM, **Al-Harbi NO**, Al-Hosaini KA, Al-Harbi MM, Alhoshani AR, Al-Shabanah OA, Alsharari SD. Effect of ginseng extract on the TGF- β 1 signaling pathway in CCl4-induced liver fibrosis in rats. *BMC Complement Altern Med.* 2017; 17(1):45.
23. Nadeem A, **Al-Harbi NO**, Ansari MA, Al-Harbi MM, El-Sherbeeney AM, Zoheir KMA, Attia SM, Hafez MM, Al-Shabanah OA, Ahmad SF. Psoriatic inflammation enhances allergic airway inflammation through IL-23/STAT3 signaling in a murine model. *Biochem Pharmacol.* 2017 Jan 15; 124:69-82.
24. Nadeem A, Ahmad SF, Bakheet SA, **Al-Harbi NO**, Al-Ayadhi LY, Attia SM, Zoheir KMA. Toll-like receptor 4 signaling is associated with upregulated NADPH oxidase expression in peripheral T cells of children with autism. *Brain Behav Immun.* 2017; 61: 146-154.
25. **Al-Harbi NO**, Nadeem A, Al-Harbi MM, Zoheir KMA, Ansari MA, El-Sherbeeney AM, Alanazi KM, Alotaibi MR, Ahmad SF. Psoriatic inflammation causes hepatic inflammation with concomitant dysregulation in hepatic metabolism via IL-17A/IL-17 receptor signaling in a murine model. *Immunobiology.* 2017; 222(2): 128-136.

26. Nadeem A, Siddiqui N, **Al-Harbi NO**, Attia SM, AlSharari SD, Ahmad SF. Acute lung injury leads to depression-like symptoms through upregulation of neutrophilic and neuronal NADPH oxidase signaling in a murine model. *Int Immunopharmacol*. 2017; 47: 218-226.
27. Nadeem A, Ahmad SF, **Al-Harbi NO**, El-Sherbeeney AM, Al-Harbi MM, Almukhlafi TS. GPR43 activation enhances psoriasis-like inflammation through epidermal upregulation of IL-6 and dual oxidase 2 signaling in a murine model. *Cell Signal*. 2017; 33: 59-68.
28. Nadeem A, Ahmad SF, **Al-Harbi NO**, Fardan AS, El-Sherbeeney AM, Ibrahim KE, Attia SM. IL-17A causes depression-like symptoms via NF κ B and p38MAPK signaling pathways in mice: Implications for psoriasis associated depression. *Cytokine*. 2017; 97: 14-24.
29. **Al-Harbi NO**, Nadeem A, Ansari MA, Al-Harbi MM, Alotaibi MR, AlSaad AM, Ahmad SF. Psoriasis-like inflammation leads to renal dysfunction via upregulation of NADPH oxidases and inducible nitric oxide synthase. *Int Immunopharmacol*. 2017; 46: 1-8.
30. Imam F, **Al-Harbi NO**, Al-Harbi MM, Korashy HM, Ansari MA, Sayed-Ahmed MM, Nagi MN, Iqbal M, Khalid Anwer M, Kazmi I, Afzal M, Bahashwan S. Rutin Attenuates Carfilzomib-Induced Cardiotoxicity Through Inhibition of NF- κ B, Hypertrophic Gene Expression and Oxidative Stress. *Cardiovasc Toxicol*. 2017; 17(1):58-66
31. **Alharbi NO**. Carfilzomib-induced cardiotoxicity mitigated by dexrazoxane through inhibition of hypertrophic gene expression and oxidative stress in rats. *Toxicol Mech Methods*. 2016;
32. Korashy HM, Belali OM, Ansar MA, **Alharbi NO**. FoxO3a is Essential for the Antiproliferative and Apoptogenic Effects of Sunitinib in MDA-MB231 Cell Line. *Anticancer Res*. 2016 Nov; 36(11): 6097-6108.
33. Alotaibi SA, Alanazi A, Bakheet SA, **Alharbi NO**, Nagi MN. Prophylactic and Therapeutic Potential of Acetyl-L-carnitine against Acetaminophen-Induced Hepatotoxicity in Mice. *J Biochem Mol Toxicol*. 2016 Jan; 30(1): 5-11.
34. Imam F, **Al-Harbi NO**, Al-Harbi MM, Ansari MA, Almutairi MM, Alshammari M, Almukhlafi TS, Ansari MN, Algerian K, Ahmad SF. Apremilast reversed carfilzomib-induced cardiotoxicity through inhibition of oxidative stress, NF- κ B and MAPK signaling in rats. *Toxicol Mech Methods*. 2016; 26(9): 700-708.
35. Bakheet SA, Alhuraishi AM, **Al-Harbi NO**, Al-Hosaini KA, Al-Sharary SD, Attia MM, Alhoshani AR, Al-Shabanah OA, Al-Harbi MM, Imam F, Ahmad SF, Attia SM. Alleviation of Aflatoxin B1-Induced Genomic Damage by Proanthocyanidins via Modulation of DNA Repair. *J Biochem Mol Toxicol*. 2016; 30(11): 559-566.
36. **Al-Harbi NO**, Nadeem A, Al-Harbi MM, Ansari MA, AlSharari SD, Bahashwan SA, Attia SM, Al-Hosaini KA, Al Hoshani AR, Ahmad SF. Airway oxidative stress causes vascular and hepatic inflammation via upregulation of IL-17A in a murine model of allergic asthma. *Int Immunopharmacol*. 2016 May; 34: 173-82.
37. Nadeem A, Siddiqui N, **Al-Harbi NO**, Al-Harbi MM, Ahmad SF. TLR-7 agonist attenuates airway reactivity and inflammation through Nrf2-mediated antioxidant protection in a murine model of allergic asthma. *Int J Biochem Cell Biol*. 2016 Apr; 73: 53-62.
38. Korashy HM, Ansari MA, Maayah ZH, Imam F, Raish M, Attafi IM, **Alharbi NO**, Moraished BA. Differential Effects of Sunitinib on the Expression Profiles of Xenobiotic-Metabolizing Enzymes and Transporters in Rat Liver and Kidneys. *Basic Clin Pharmacol Toxicol*. 2016 Aug; 119(2):173-83.

39. **Al-Harbi, N. O.**, Imam, F., Nadeem, A., Al-Harbi, M. M., Korashy, H. M., Sayed-Ahmed, M. M., . . . Bahashwan, S. (2015). Riboflavin attenuates lipopolysaccharide-induced lung injury in rats. *Toxicology Mechanisms and Methods*, 25(5), 417-423. doi:10.3109/15376516.2015.1045662
40. Imam F, **Al-Harbi NO**, Al-Harbi MM, Ahmad SF, Ansari MA, Zoheir KMA, Iqbal M, Anwer K, Ali Alhoshani A, Attia SM. Diosmin downregulates the expression of T cell receptors, pro-inflammatory cytokines and NF-kB activation against LPS-induced acute lung injury in mice. *Pharmacol Res*. 2015; 102:1-11.
41. Hafez, M. M., **Al-Harbi, N. O.**, Al-Hoshani, A. R., Al-hosaini, K. A., Al Shrari, S. D., Al Rejaie, S. S., . . . Al-Shabanah, O. A. Hepato-protective effect of rutin via IL-6/STAT3 pathway in CCl4-induced hepatotoxicity in rats. *Biological Research*, (2015): 48(1). doi:10.1186/s40659-015-0022-y
42. **Al-Harbi NO**, Imam F, Nadeem A, Al-Harbi MM, Korashy HM, Sayed-Ahmed MM, Hafez MM, Al-Shabanah OA, Nagi MN, Bahashwan S. Riboflavin attenuates lipopolysaccharide-induced lung injury in rats. *Toxicol Mech Methods*. 2015; 25(5): 417-23.
43. **Al-Harbi NO**, Nadeem A, Al-Harbi MM, Imam F, Al-Shabanah OA, Ahmad SF, Sayed-Ahmed MM, Bahashwan SA. Oxidative airway inflammation leads to systemic and vascular oxidative stress in a murine model of allergic asthma. *Int Immunopharmacol*. 2015; 26(1): 237-45.
44. Hafez, M. M., **Al-Shabanah, O. A., Al-Rejaie, S. S., Al-Harbi, N. O.**, Hassan, Z. K., Alsheikh, A., . . . Sayed-Ahmed, M. M. (2015). Increased Hypermethylation of Glutathione S-Transferase P1, DNA-Binding Protein Inhibitor, Death Associated Protein Kinase and Paired Box Protein-5 Genes in Triple-Negative Breast Cancer Saudi Females. *Asian Pacific Journal of Cancer Prevention*, 16(2), 541-549.
45. Nadeem, A., **Al-Harbi, N. O.**, Al-Harbi, M. M., El-Sherbeeney, A. M., Ahmad, S. F., Siddiqui, N., . . . Al-Sharary, S. D. (2015). Imiquimod-induced psoriasis-like skin inflammation is suppressed by BET bromodomain inhibitor in mice through RORC/IL-17A pathway modulation. *Pharmacological Research*, 99, 248-257. doi:10.1016/j.phrs.2015.06.001\
46. Nadeem, A., **Alharbi, N. O.**, Vliagoftis, H., Tyagi, M., Ahmad, S. F., & Sayed-Ahmed, M. M. (2015). Proteinase activated receptor-2-mediated dual oxidase-2 up-regulation is involved in enhanced airway reactivity and inflammation in a mouse model of allergic asthma. *Immunology*, 145(3), 391-403. doi:10.1111/imm.12453
47. **Al-Harbi NO**, Imam F, Al-Harbi MM, Iqbal M, Nadeem A, Al-Shahrah OA, Korashy HM, Al-Hosaini KA, Ahmed M, Bahashwar S. Treatment with aliskiren ameliorates tacrolimus-induced nephrotoxicity in rats. *J Renin Angiotensin Aldosterone Syst*. 2014 Apr 15.
48. **Al-Harbi NO**, Imam F, Al-Harbi MM, Iqbal M, Nadeem A, Sayed-Ahmed MM, Alabidy AD, Almukhallafi AF. Olmesartan Attenuates Tacrolimus-Induced Biochemical and Ultrastructural Changes in Rat Kidney Tissue. *Biomed Res Int*. 2014; 2014: 607246.
49. Nadeem A, Siddiqui N, **Alharbi NO**, Alharbi MM, Imam F. Acute glutathione depletion leads to enhancement of airway reactivity and inflammation via p38 MAPK-iNOS pathway in allergic mice. *Int Immunopharmacol*. 2014; 22(1): 222-229
50. Nadeem A, Siddiqui N, **Alharbi NO**, Alharbi MM, Imam F, Sayed-Ahmed MM. Glutathione modulation during sensitization as well as challenge phase regulates airway reactivity and inflammation in mouse model of allergic asthma. *Biochimie*. 2014; 103: 61-70.

51. Sayed-Ahmed, M. M., Aldelemy, M. L., Al-Shabanah, O. A., Hafez, M. M., Al-Hosaini, K. A., **Al-Harbi, N. O.**, . . . Al-Harbi, M. M. (2014). Inhibition of Gene Expression of Carnitine Palmitoyltransferase I and Heart Fatty Acid Binding Protein in Cyclophosphamide and Ifosfamide-Induced Acute Cardiotoxic Rat Models. *Cardiovascular Toxicology*, 14(3), 232-242.
52. Hafez, M. M., Al-Shabanah, O. A., **Al-Harbi, N. O.**, Al-Harbi, M. M., Al-Rejaie, S. S., Alsurayea, S. M., & Sayed-Ahmed, M. M. (2014). Association between Paraoxonases Gene Expression and Oxidative Stress in Hepatotoxicity Induced by CCl₄. *Oxidative Medicine and Cellular Longevity*, 2014, 1-12.
53. Nadeem, A., Siddiqui, N., **Alharbi, N. O.**, & Alharbi, M. M. (2014). Airway and systemic oxidant-antioxidant dysregulation in asthma: A possible scenario of oxidants spill over from lung into blood. *Pulmonary Pharmacology & Therapeutics*, 29(1), 31-40.
54. Bahashwan, S., Fayed, A., Ramadan, M., Amr, A., & **Al-Harbi, NO.** (2014). Androgen Receptor Antagonists and Anti-Prostate Cancer Activities of Some Newly Synthesized Substituted Fused Pyrazolo-, Triazolo- and Thiazolo-Pyrimidine Derivatives. *International Journal of Molecular Sciences*, 15(11), 21587-21602.
55. **Naif O. Al-Harbi**, Saleh A. Bahashwan, Ahmed A. Fayed and Mohamed A. Ramadan Pharmacological activities evaluation of some new pyrazolo-pyrimidino-pyridazine derivatives. *African Journal of Pharmacy and Pharmacology* Vol. 7(9), pp. 517-523, 8 March, 2013
56. Saleem S, Shaharyar MA, Khusroo MJ, Ahmad P, Rahman R, Ahmad K, Alam MJ, **Al-Harbi NO**, Iqbal M, Imam F. Anticancer potential of rhamnocitrin 4'-β-d-galactopyranoside against N-diethylnitrosamine-induced hepatocellular carcinoma in rats. *Molecular and cellular biochemistry*. 2013; 384(1-2): 147-153.
57. **Al-Harbi, N. O.**, Bahashwan, S. A., Fayed, A. A., Aboonq, M. S., & Amr, A. E.-G. E. (2013). Anti-parkinsonism, hypoglycemic and anti-microbial activities of new poly fused ring heterocyclic candidates. *International Journal of Biological Macromolecules*, 57, 165-173. doi:10.1016/j.ijbiomac.2013.03
58. Attia, S. M., Ahmad, S. F., Zoheir, K. M., Bakheet, S. A., Helal, G. K., Abd-Allah, A.R, **Al-Harbi N. O**, Al-Hosaini K. A. Al-Shabanah O. A.O. A. (2013). Genotoxic evaluation of chloroacetonitrile in murine marrow cells and effects on DNA damage repair gene expressions. *Mutagenesis*, 29(1), 55-62. doi:10.1093/mutage/get
59. Bahashwan, S. A., **Al-Harbi, N. O.**, Fayed, A. A., Amr, A. E.-G. E., Shadid, K. A., Alalawi, A. M., & Bassati, I. M. S. (2012). Pharmacological activities of some new polycyclic triazolopyrazolopyridazine derivatives. *International Journal of Biological Macromolecules*, 51(1-2), 7-17.
60. Sayed-Ahmed, M. M., Hafez, M. M., Aldelemy, M. L., Aleisa, A. M., Al-Rejaie, S. S., Al-Hosaini, K. A., **Naif O. Al-Harbi**, Mohamed M. Al-Harbi, and Othman A. Al-Shabanah. Downregulation of Oxidative and Nitrosative Apoptotic Signaling by L-Carnitine in Ifosfamide-Induced Fanconi Syndrome Rat Model. *Oxidative Medicine and Cellular Longevity*, 2012, 1-9.
61. **Naif O Al-Harbi**, Saleh A Bahashwan, Moutasem S Aboonq, MohamedA Ramadan4 and Ahmed A Bahashwan Reversal of Liver Fibrosis in Chronic MurineSchistosomiasis mansoni by Safironil/Praziquantel. *Tropical Journal of Pharmaceutical Research* August 2012; 11 (4): 537-543.
62. **Naif Obaid Al-Harbi**. Effect of marjoram extract treatment on the cytological and biochemical changes induced by cyclophosphamide in mice. *Journal of Medicinal Plants Research* Vol. 5(23), pp. 5479-5485, 23 October, 2011

63. **Naif O. Al-Harbi**, Saleh A. Bahashwan, Mohamed J.H. Faraj, Nawal A. Aba-Alkhalil, Riyadh M. Al-Ashban and Arif H Shah. Quality and Toxicity Study on Devil'S Claw capsules market in Saudi Arabia. Zagazig j. pharm.sc June 2010 vol .19.no.1,pp.1-11.
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Declaration

The facts stated in this application are to the best of my knowledge true and complete.

(Dr. Naif Obaid Al-Harbi)