Biosketch

### Ahmed Nadeem, PhD

Associate Professor,

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**Personal Details:**

**Name:** Ahmed Nadeem

**Date of birth:** 1st March, 1976

**Gender :** Male

**Educational Qualification:**

* ***PhD Biochemistry*** (1999-2004) from Departments of Biochemistry & Cardiorespiratory Physiology, VP Chest Institute, University of Delhi, Delhi, India
* ***M.Sc Toxicology*** (1996-1998) from Jamia Hamdard, Delhi, India with 1st grade
* ***B.Sc Biosciences*** (1993-1996) from Jamia Millia Islamia, Delhi, India with 1st grade

**Research/Teaching Experience Highlights:**

* Working as Associate Professor (2017-until now) at Department as Pharmacology & Toxicology, College of Pharmacy, **King Saud University**, KSA
* Worked as ***Post-doc fellow*** at Department of Medicine, **University of Alberta, Edmonton, Canada** on PAR-2-mediated allergic inflammation in murine model of asthma.
* Worked as ***Post-doc fellow*** at Department of Physiology and Pharmacology, **West Virginia University, Morgantown, WV, USA** on characterization and signaling pathways A2a adenosine receptors in a murine model of asthma using A2a adenosine receptor knock-out mice
* Worked as ***Post-doc fellow*** at Department of Pharmacology, **East Carolina University, Greenville, NC, USA** on characterization of A1 adenosine receptors in asthmatic and non-asthmatic human lungs and rabbits using A1 adenosine receptor antagonist

**Teaching/Research experience in Life Sciences:**

* Teaching experiences at various universities in USA/India/KSA on different subjects, e.g. biochemistry, immunology, pharmacology, inflammatory/autoimmune diseases, and various aspects of drug discovery
* Extensive doctoral/post-doctoral training at various national/international laboratories in the area of inflammatory diseases in USA, Canada and India
* Extensive research experience in Inflammatory/Autoimmune Diseases (Asthma, Rheumatoid Arthritis, Lupus, Psoriasis, Multiple Sclerosis, etc)
* Management of team members towards excellent productivity for the growth of the company and scientific growth of each member as well
* Experience in collaborative programs with different universities/institutes in USA, Canada and India

**Grants/Awards:**

* **Internal Bridge Grant** from West Virginia University, USA($ 50,000)for investigating the role of A2a adenosine receptors in asthma in 2008
* **Young Investigator Award** by Association of Scientists of Indian Origin in America (ASIOA) at Experimental Biology 2006, San Francisco, CA, USA.
* **Travel award** by COPD4 Conference 2004, Birmingham, United Kingdom for poster presentation.
* **Travel award** by World Asthma Meeting 2004, Bangkok, Thailand for poster presentation.
* Qualified highly competitive **National Eligibility Test** (NET) for scholarship in scientific research and lectureship in 1999 granted by the Council for Scientific and Industrial Research (CSIR), Indian government.

**Peer-reviewed Publications**

1. Nadeem A, Al-Harbi NO, Ansari MA, Al-Harbi MM, El-Sherbeeny AM, Zoheir KM, Attia SM, Hafez MM, Al-Shabanah OA, Ahmad SF: *Psoriatic inflammation enhances allergic airway inflammation through IL-23/STAT3 signaling in a murine model.*. Biochemical Pharmacology 01/2017; 124:69–82.
2. Ahmed Nadeem, Sheikh F Ahmad, Saleh A Bakheet, Naif O Al-Harbi, Laila Y Al-Ayadhi, Sabry M Attia, Khairy Ma Zoheir: *Toll-like receptor 4 signaling is associated with upregulated NADPH oxidase expression in peripheral T cells of children with autism*. Brain Behavior and Immunity 12/2016; 61., DOI:10.1016/j.bbi.2016.12.024
3. Ahmed Nadeem, Naif O. Al-Harbi, Mohamed M. Al-Harbi, Ahmed M. El-Sherbeeny, Sheikh F. Ahmad, Nahid Siddiqui, Mushtaq A. Ansari, Khairy M.A. Zoheir, Sabry M. Attia, Khaled A. Al-Hosaini, Shakir D. Al-Sharary: *Imiquimod-induced psoriasis-like skin inflammation is suppressed by BET bromodomain inhibitor in mice through RORC/IL-17A pathway modulation*. Pharmacological Research 07/2015; 99., DOI:10.1016/j.phrs.2015.06.001
4. Ali S Alfardan, Ahmed Nadeem, Sheikh F Ahmad, Naif O Al-Harbi, Mohammad M Al-Harbi, Shakir D AlSharari: *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*. Environmental Research 03/2018; 164:327-339., DOI:10.1016/j.envres.2018.02.039
5. Ahmed Nadeem, Sheikh Fayaz Ahmad, Sabry M Attia, Laila Y Al-Ayadhi, Naif O Al-Harbi, Saleh A Bakheet: *Dysregulated enzymatic antioxidant network in peripheral neutrophils and monocytes in children with autism*. Progress in Neuro-Psychopharmacology and Biological Psychiatry 01/2019; 88:352-359., DOI:10.1016/j.pnpbp.2018.08.020
6. Sheikh F. Ahmad, Mushtaq A. Ansari, Ahmed Nadeem, Saleh A. Bakheet, Musaad A. Alshammari, Sabry M. Attia: *Neuroprotection by tyrosine kinase inhibitor, tyrphostin AG126, through the suppression of IL-17A, RORγt, and T-bet signaling, in the BTBR mouse model of autism*. Brain Research Bulletin 08/2018;, DOI:10.1016/j.brainresbull.2018.08.020
7. Ahmed Nadeem, Sheikh F. Ahmad, Naif O. Al-Harbi, Nahid Siddiqui, Khalid E. Ibrahim, Sabry M. Attia: *Inhibition of BET bromodomains restores corticosteroid responsiveness in a mixed granulocytic mouse model of asthma*. Biochemical Pharmacology 05/2018; 154., DOI:10.1016/j.bcp.2018.05.011
8. S.M. Attia, M.A. Al-Hamamah, M.R. Alotaibi, G.I. Harisa, M.M. Attia, S.F. Ahmad, M.A. Ansari, A. Nadeem, S.A. Bakheet: *Investigation of belinostat-induced genomic instability by molecular cytogenetic analysis and pathway-focused gene expression profiling*. Toxicology and Applied Pharmacology 05/2018; 350., DOI:10.1016/j.taap.2018.05.002
9. Ahmed Nadeem, Ahmad SF, Al-Harbi NO, Fardan AS, El-Sherbeeny AM, Ibrahim KE, Attia SM. IL-17A causes depression-like symptoms via NFκB and p38MAPK signaling pathways in mice: Implications for psoriasis associated depression. Cytokine. 2017 May 26;97:14-24.
10. Ahmed Nadeem, Sheikh F. Ahmad, Sabry M. Attia, Saleh A. Bakheet, Naif O. Al-Harbi, Laila Y. AL-Ayadhi: *Activation of IL-17 receptor leads to increased oxidative inflammation in peripheral monocytes of autistic children*. Brain Behavior and Immunity 09/2017; 67., DOI:10.1016/j.bbi.2017.09.010
11. Sheikh F. Ahmad, Ahmed Nadeem, Mushtaq A. Ansari, Saleh A. Bakheet, Laila Yousef AL-Ayadhi, Sabry M. Attia: *Downregulation in Helios transcription factor signaling is associated with immune dysfunction in blood leukocytes of autistic children*. Progress in Neuro-Psychopharmacology and Biological Psychiatry 04/2018; 85:98–104., DOI:10.1016/j.pnpbp.2018.04.011
12. Sheikh F. Ahmad, Mushtaq A. Ansari, Ahmed Nadeem, Saleh A. Bakheet, Mohammad Z. Alzahrani, Musaad A. Alshammari, Wael A. Alanazi, Abdullah F. Alasmari, Sabry M. Attia: *Resveratrol attenuates pro-inflammatory cytokines and activation of JAK1-STAT3 in BTBR T + Itpr3 tf /J autistic mice*. European Journal of Pharmacology 04/2018; 829., DOI:10.1016/j.ejphar.2018.04.008
13. Naif O Al-Harbi, Ahmed Nadeem, Sheikh F Ahmad, Moureq R Alotaibi, Abdullah F AlAsmari, Wael A Alanazi, Mohammad M Al-Harbi, Ahmad M El-Sherbeeny, Khalid E Ibrahim: *Short chain fatty acid, acetate ameliorates sepsis-induced acute kidney injury by inhibition of NADPH oxidase signaling in T cells*. International immunopharmacology 03/2018; 58:24-31., DOI:10.1016/j.intimp.2018.02.023
14. Sheikh F. Ahmad, Mushtaq A. Ansari, Ahmed Nadeem, Mohammad Z. Alzahrani, Saleh A. Bakheet, Sabry M. Attia: *Resveratrol Improves Neuroimmune Dysregulation Through the Inhibition of Neuronal Toll-Like Receptors and COX-2 Signaling in BTBR T+ Itpr3tf/J Mice*. NeuroMolecular Medicine 02/2018; 20(2)., DOI:10.1007/s12017-018-8483-0
15. Ahmed Nadeem, Sheikh F. Ahmad, Ahmad M. El-Sherbeeny, Naif O. Al-Harbi, Saleh A. Bakheet, Sabry M. Attia: *Systemic inflammation in asocial BTBR T + tf/J mice predisposes them to increased psoriatic inflammation*. Progress in Neuro-Psychopharmacology and Biological Psychiatry 12/2017; 83., DOI:10.1016/j.pnpbp.2017.12.015
16. Ahmed Nadeem, Naif O. Al‐Harbi, Sheikh F. Ahmad, Khalid E. Ibrahim, Nahid Siddiqui, Mohammed M. Al‐Harbi: *Glucose‐6‐phosphate dehydrogenase inhibition attenuates acute lung injury through reduction in NADPH oxidase derived reactive oxygen species*. Clinical & Experimental Immunology 12/2017; 191(3)., DOI:10.1111/cei.13097
17. Sheikh F. Ahmad, Mushtaq A. Ansari, Ahmed Nadeem, Saleh A. Bakheet, Laila Yousef AL-Ayadhi, Sabry M. Attia: *Upregulation of peripheral CXC and CC chemokine receptor expression on CD4+ T cells is associated with immune dysregulation in children with autism*. Progress in Neuro-Psychopharmacology and Biological Psychiatry 10/2017; 81., DOI:10.1016/j.pnpbp.2017.10.001
18. N.O. Al-Harbi, A. Nadeem, M.M. Al-Harbi, K.M. Zoheir, M.A. Ansari, A.M. El-Sherbeeny, K.M. Alanazi, M.R. Alotaibi, S.F. Ahmad: *Corrigendum to “Psoriatic inflammation causes hepatic inflammation with concomitant dysregulation in hepatic metabolism via IL-17A/IL-17 receptor signaling in a murine model”*. Immunobiology 09/2017; 222(12)., DOI:10.1016/j.imbio.2017.09.003
19. Sabry M. Attia, Ali Y. Alshahrani, Mohammed A. Al-Hamamah, Mohammed M. Attia, Quaiser Saquib, Sheikh F. Ahmad, Mushtaq A. Ansari, Ahmed Nadeem, Saleh A. Bakheet: *Dexrazoxane Averts Idarubicin-Evoked Genomic Damage by Regulating Gene Expression Profiling Associated With the DNA Damage-Signaling Pathway in BALB/c Mice*. Toxicological Sciences 08/2017; 160(1)., DOI:10.1093/toxsci/kfx161
20. Sheikh F. Ahmad, Mushtaq A. Ansari, Ahmed Nadeem, Saleh A. Bakheet, Mashal M. Almutairi, Sabry M. Attia: *Adenosine A2A receptor signaling affects IL-21/IL-22 cytokines and GATA3/T-bet transcription factor expression in CD4+ T cells from a BTBR T+ Itpr3tf/J mouse model of autism*. Journal of Neuroimmunology 08/2017; 311., DOI:10.1016/j.jneuroim.2017.08.002
21. Sheikh F. Ahmad, Ahmed Nadeem, Mushtaq A. Ansari, Saleh A. Bakheet, Laila Yousef Al-Ayadhi, Sabry M. Attia: *Upregulation of IL-9 and JAK-STAT signaling pathway in children with autism*. Progress in Neuro-Psychopharmacology and Biological Psychiatry 08/2017; 79(Pt B)., DOI:10.1016/j.pnpbp.2017.08.002
22. Sheikh F. Ahmad, Mushtaq A. Ansari, Ahmed Nadeem, Saleh A. Bakheet, Laila Yousef AL-Ayadhi, Sabry M. Attia: *Toll-like receptors, NF-κB, and IL-27 mediate adenosine A2A receptor signaling in BTBR T + Itpr3 tf /J mice*. Progress in Neuro-Psychopharmacology and Biological Psychiatry 06/2017; 79(Pt B)., DOI:10.1016/j.pnpbp.2017.06.034
23. Ahmed Nadeem, Nahid Siddiqui, Naif O. Al-Harbi, Sabry M. Attia, Shakir D. AlSharari, Sheikh F. Ahmad: *Acute lung injury leads to depression-like symptoms through upregulation of neutrophilic and neuronal NADPH oxidase signaling in a murine model*. International immunopharmacology 06/2017; 47:218-226., DOI:10.1016/j.intimp.2017.04.010
24. Naif O. Al-Harbi, Ahmed Nadeem, Mushtaq A. Ansari, Mohammed M. Al-Harbi, Moureq R. Alotaibi, Abdulaziz M.S. AlSaad, Sheikh F. Ahmad: *Psoriasis-like inflammation leads to renal dysfunction via upregulation of NADPH oxidases and inducible nitric oxide synthase*. International immunopharmacology 05/2017; 46:1-8., DOI:10.1016/j.intimp.2017.02.018
25. Sheikh F. Ahmad, Mushtaq A. Ansari, Ahmed Nadeem, Saleh A. Bakheet, Raish Mohammad, Sabry M. Attia: *Immune Alterations in CD8+ T Cells Are Associated with Neuronal C-C and C-X-C Chemokine Receptor Regulation Through Adenosine A2A Receptor Signaling in a BTBR T+ Itpr3tf/J Autistic Mouse Model*. Molecular Neurobiology 04/2017; 55(1)., DOI:10.1007/s12035-017-0548-9
26. Mushtaq A. Ansari, Sabry M. Attia, Ahmed Nadeem, Saleh A. Bakheet, Raish Mohammad, Tajdar H. Khan, Othman A. Al-Shabanah, Sheikh F. Ahmad: *Activation of adenosine A2A receptor signaling regulates the expression of cytokines associated with immunologic dysfunction in BTBR T + Itpr3 tf /J mice*. Molecular and Cellular Neuroscience 04/2017; 82., DOI:10.1016/j.mcn.2017.04.012
27. Mushtaq A. Ansari, Ahmed Nadeem, Sabry M. Attia, Saleh A. Bakheet, Raish Mohammad, Sheikh F. Ahmad: *Adenosine A2A receptor modulates neuroimmune function through Th17/retinoid-related orphan receptor gamma t (RORγt) signaling in a BTBR T + Itpr3 tf /J mouse model of autism*. Cellular Signalling 04/2017; 36., DOI:10.1016/j.cellsig.2017.04.014
28. Mahesh Thakkar, Debnath Bhuniya, Rahul Kaduskar, Tanaji Mengawade, Keshav Naik, Videsh Salunkhe, Amit Bhalerao, Santosh Kurhade, Jagadeesh Mavinahalli, Vaibhav Jain, Rajkanth Petla, Satheesh Avaragolla, Swagatam Ray, Sreekanth Rouduri, Avinash Dhanave, Siddhartha De, Vishal Pathade, Ashwini Tambe, Amol A. Raje, Vamsi Madgula, Sachin Joshi, Ahmed Nadeem, Madhu bala, Dhananjay Umrani, Narayanan Hariharan, Bheemashankar Kulkarni, Kasim A. Mookhtiar: *Discovery and evaluation of 1 H -pyrrolo[2,3- b ]pyridine based selective and reversible small molecule BTK inhibitors for the treatment of rheumatoid arthritis*. Bioorganic & medicinal chemistry letters 02/2017; 27(8)., DOI:10.1016/j.bmcl.2017.02.026
29. Ahmed Nadeem, Sheikh F. Ahmad, Naif O. Al-Harbi, Ahmed M. El-Sherbeeny, Mohammed M. Al-Harbi, Talal S. Almukhlafi: *GPR43 activation enhances psoriasis-like inflammation through epidermal upregulation of IL-6 and dual oxidase 2 signaling in a murine model*. Cellular Signalling 02/2017; 33., DOI:10.1016/j.cellsig.2017.02.014
30. Nadeem A, Al-Harbi NO, Ansari MA, Al-Harbi MM, El-Sherbeeny AM, Zoheir KM, Attia SM, Hafez MM, Al-Shabanah OA, Ahmad SF: *Psoriatic inflammation enhances allergic airway inflammation through IL-23/STAT3 signaling in a murine model.*. Biochemical Pharmacology 01/2017; 124:69–82.
31. Ahmed Nadeem, Sheikh F Ahmad, Saleh A Bakheet, Naif O Al-Harbi, Laila Y Al-Ayadhi, Sabry M Attia, Khairy Ma Zoheir: *Toll-like receptor 4 signaling is associated with upregulated NADPH oxidase expression in peripheral T cells of children with autism*. Brain Behavior and Immunity 12/2016; 61., DOI:10.1016/j.bbi.2016.12.024
32. Sheikh F. Ahmad, Ahmed Nadeem, Mushtaq A. Ansari, Saleh A. Bakheet, Sabry M. Attia, Khairy M.A. Zoheir, Laila Yousef AL-Ayadhi, Mohammad Z. Alzahrani, Abdulaziz M.S. Alsaad, Moureq R. Alotaibi, Adel R.A. Abd-Allah: *Imbalance between the anti- and pro-inflammatory milieu in bloodleukocytes of autistic children*. Molecular Immunology 12/2016; 82., DOI:10.1016/j.molimm.2016.12.019
33. Sabry M. Attia, Sheikh F. Ahmad, Mushtaq A. Ansari, Ahmed Nadeem, Othman A. Al-Shabanah, Mohammed M. Al-Harbi, Saleh A. Bakheet: *Utility of Dexrazoxane for the Attenuation of Epirubicin-Induced Genetic Alterations in Mouse Germ Cells*. PLoS ONE 10/2016; 11(10):e0165854., DOI:10.1371/journal.pone.0165854
34. Ahmed Nadeem, Naif O. Al-Harbi, Mushtaq A. Ansari, Mohammed M. Al-Harbi, Ahmed M. El-Sherbeeny, Khairy M. A. Zoheir, Sabry M. Attia, Mohamed M. Hafez, Othman A. Al-Shabanah, Sheikh F. Ahmad: *Psoriatic inflammation enhances allergic airway inflammation through IL-23/STAT3 signaling in a murine model*. Biochemical Pharmacology 10/2016; 124., DOI:10.1016/j.bcp.2016.10.012
35. Naif O. Al-Harbi, Ahmed Nadeem, Mohammed M. Al-Harbi, M.A. Khairy, Mushtaq A. Ansari, Ahmed M. El-Sherbeeny, Khalid M. Alanazi, Moureq R. Alotaibi, Sheikh F. Ahmad: *Psoriatic inflammation causes hepatic inflammation with concomitant dysregulation in hepatic metabolism via IL-17A/IL-17 receptor signaling in a murine model*. Immunobiology 10/2016; 222(2)., DOI:10.1016/j.imbio.2016.10.013
36. Sheikh Fayaz Ahmad, Mushtaq Ahmad Ansari, Ahmed Nadeem, Khairy MA Zoheir, Saleh A. Bakheet, Abdulaziz M.S. Alsaad, Othman A. Al-Shabanah, Sabry M. Attia: *STA-21, a STAT-3 inhibitor, attenuates the development and progression of inflammation in collagen antibody-induced arthritis*. Immunobiology 10/2016; 222(2)., DOI:10.1016/j.imbio.2016.10.001
37. Sheikh Fayaz Ahmad, Mushtaq Ahmad Ansari, Ahmad Nadeem, Khairy M.A. Zoheir, Saleh A. Bakheet, Othman A. Al-Shabanah, Ammar Cherkess Al Rikabi, Sabry M. Attia: *The tyrosine kinase inhibitor tyrphostin AG126 reduces activation of inflammatory cells and increases Foxp3+ regulatory T cells during pathogenesis of rheumatoid arthritis*. Molecular Immunology 10/2016; 78:65-78., DOI:10.1016/j.molimm.2016.08.017
38. Sabry M. Attia, Sheikh F. Ahmad, Mushtaq A. Ansaria, Ahmed Nadeem, Othman A. Al-Shabanah, Mohammed M. Al-Harbi, Saleh A. Bakheet: *Utility of Dexrazoxane for the Attenuation of Epirubicin-Induced Genetic Alterations in Mouse Germ Cells*. PLoS ONE 09/2016; 11(9):e0163703., DOI:10.1371/journal.pone.0163703
39. Saleh A. Bakheet, Mohammad Zeed Alzahrani, Ahmed Nadeem, Mushtaq Ahmad Ansari, Khairy M A Zoheir, Sabry M. Attia, Laila Yousef AL-Ayadhi, Sheikh Fayaz Ahmad: *Resveratrol treatment attenuates chemokine receptor expression in the BTBR T + tf/J mouse model of autism*. Molecular and Cellular Neuroscience 09/2016; 77., DOI:10.1016/j.mcn.2016.09.004
40. Saleh A. Bakheet, Mohammad Zeed Alzahrani, Mushtaq Ahmad Ansari, Ahmed Nadeem, Khairy M. A. Zoheir, Sabry M. Attia, Laila Yousef AL-Ayadhi, Sheikh Fayaz Ahmad: *Resveratrol Ameliorates Dysregulation of Th1, Th2, Th17, and T Regulatory Cell-Related Transcription Factor Signaling in a BTBR T + tf/J Mouse Model of Autism*. Molecular Neurobiology 08/2016; 54(7)., DOI:10.1007/s12035-016-0066-1
41. Sheikh Fayaz Ahmad, Khairy M A Zoheir, Mushtaq Ahmad Ansari, Ahmed Nadeem, Saleh A. Bakheet, Laila Yousef AL-Ayadhi, Mohammad Zeed Alzahrani, Othman A. Al-Shabanah, Mohammed M. Al-Harbi, Sabry M. Attia: *Dysregulation of Th1, Th2, Th17, and T regulatory cell-related transcription factor signaling in children with autism*. Molecular Neurobiology 06/2016; 54(6)., DOI:10.1007/s12035-016-9977-0
42. Naif O. Al-Harbi, Ahmed Nadeem, Mohammed M. Al-Harbi, Mushtaq A. Ansari, Shakir D. AlSharari, Saleh A. Bahashwan, Sabry M. Attia, Khaled A. Al-Hosaini, Ali R. Al Hoshani, Sheikh F. Ahmad: *Airway oxidative stress causes vascular and hepatic inflammation via upregulation of IL-17A in a murine model of allergic asthma*. International immunopharmacology 05/2016; 34:173-182., DOI:10.1016/j.intimp.2016.03.003
43. Saleh A. Bakheet, Sabry M. Attia, Mohammad Y. Alwetaid, Mushtaq Ahmad Ansari, Khairy M.A. Zoheir, Ahmed Nadeem, Othman A. Al-Shabanah, Mohammed M. Al-Harbi, Sheikh Fayaz Ahmad: *β-1,3-Glucan reverses aflatoxin B1-mediated suppression of immune responses in mice*. Life sciences 03/2016; 152., DOI:10.1016/j.lfs.2016.03.030
44. Ahmed Nadeem, Nahid Siddiqui, Naif O. Al-Harbi, Mohammed M. Al-Harbi, Sheikh F. Ahmad: *TLR-7 agonist attenuates airway reactivity and inflammation through Nrf2-mediated antioxidant protection in a murine model of allergic asthma*. The international journal of biochemistry & cell biology 02/2016; 73., DOI:10.1016/j.biocel.2016.02.004
45. Sheikh Fayaz Ahmad, Khairy M.A. Zoheir, Mushtaq Ahmad Ansari, Ahmed Nadeem, Saleh A. Bakheet, Ali R. Al-Hoshani, Othman A. Al-Shabanah, Mohammed M. Al-Harbi, Sabry M. Attia: *Histamine 4 receptor promotes expression of costimulatory B7.1/B7.2 molecules, CD28 signaling and cytokine production in stress-induced immune responses*. Journal of Neuroimmunology 10/2015; 289., DOI:10.1016/j.jneuroim.2015.10.008
46. Mashooq Ahmad Bhat, Mohamed A Al-Omar, Mushtaq A Ansari, Khayry M Zuheir, Faisal Imam, Sabry M Attia, Saleh A Al-Bakheet, Ahmed Nadeem, Hesham M. Korashy, Andrew Voronkov, Vladimir Berishvili, Sheikh F. Ahmad: *Design and synthesis of N-aryl-phthalimides as inhibitors of glucocorticoid- induced TNF receptor-related protein, pro-inflammatory mediators, and cytokines in carrageenan-induced lung inflammation*. Journal of Medicinal Chemistry 10/2015; 58(22)., DOI:10.1021/acs.jmedchem.5b00934
47. Naif O Al-Harbi, Faisal Imam, Ahmed Nadeem, Mohammed M Al-Harbi, Hesham M Korashy, Mohammed M Sayed-Ahmed, Mohamed M Hafez, Othman A Al-Shabanah, Mahmoud N Nagi, Saleh Bahashwan: *Riboflavin attenuates lipopolysaccharide-induced lung injury in rats*. Toxicology mechanisms and methods 09/2015; 25(5):1-7., DOI:10.3109/15376516.2015.1045662
48. Muhammad Asaduzzaman, Ahmed Nadeem, Narcy Arizmendi, Courtney Davidson, Heddie L Nichols, Melanie Abel, Lavinia Iuliana Ionescu, Lakshmi Puttagunta, Bernard Thebaud, John Gordon, Katie DeFea, Morley D Hollenberg, Harissios Vliagoftis: *Functional inhibition of PAR2 alleviates allergen-induced airway hyperresponsiveness and inflammation*. Clinical & Experimental Allergy 08/2015; 45(12)., DOI:10.1111/cea.12628
49. Ahmed Nadeem, Naif O. Al-Harbi, Mohamed M. Al-Harbi, Ahmed M. El-Sherbeeny, Sheikh F. Ahmad, Nahid Siddiqui, Mushtaq A. Ansari, Khairy M.A. Zoheir, Sabry M. Attia, Khaled A. Al-Hosaini, Shakir D. Al-Sharary: *Imiquimod-induced psoriasis-like skin inflammation is suppressed by BET bromodomain inhibitor in mice through RORC/IL-17A pathway modulation*. Pharmacological Research 07/2015; 99., DOI:10.1016/j.phrs.2015.06.001
50. Naif O Al-Harbi, A Nadeem, Mohamed M Al-Harbi, F Imam, Othman A Al-Shabanah, Sheikh F Ahmad, Mohamed M Sayed-Ahmed, Saleh A Bahashwan: *Oxidative airway inflammation leads to systemic and vascular oxidative stress in a murine model of allergic asthma*. International immunopharmacology 04/2015; 26(1)., DOI:10.1016/j.intimp.2015.03.032
51. Ahmed Nadeem, Naif O Alharbi, Harissios Vliagoftis, Manoj Tyagi, Sheikh F Ahmad, Mohamed M Sayed‐Ahmed: *Protease activated receptor-2 mediated dual oxidase-2 upregulation is involved in enhanced airway reactivity and inflammation in a mouse model of allergic asthma*. Immunology 02/2015; 145(3)., DOI:10.1111/imm.12453
52. Sheikh Fayaz Ahmad, Mushtaq Ahmad Ansari, Khairy M.A. Zoheir, Saleh A. Bakheet, Hesham M. Korashy, Ahmed Nadeem, Abdelkader E. Ashour, Sabry M. Attia: *Regulation of TNF-α and NF-kB activation through the JAK/STAT signaling pathway downstream of Histamine 4 receptor in a rat model of LPS-induced joint inflammation*. Immunobiology 01/2015;, DOI:10.1016/j.imbio.2015.01.008
53. Naif O Al-Harbi, Faisal Imam, Ahmed Nadeem, Mohammed M Al-Harbi, Muzaffar Iqbal, Shakilur Rahman, Khalid A Al-Hosaini, Saleh Bahashwan: *Protection against tacrolimus-induced cardiotoxicity in rats by olmesartan and aliskiren*. Toxicology mechanisms and methods 09/2014; 24(9):1-23., DOI:10.3109/15376516.2014.963773
54. A Nadeem, N Siddiqui, Naif O Alharbi, M.M. Alharbi, F Imam: *Acute glutathione depletion leads to enhancement of airway reactivity and inflammation via p38MAPK-iNOS pathway in allergic mice*. International Immunopharmacology 06/2014; 22(1)., DOI:10.1016/j.intimp.2014.06.030
55. Nadeem A, Siddiqui N, Naif O Alharbi, Alharbi Mm: *Airway and systemic oxidant-antioxidant dysregulation in asthma: A possible scenario of oxidants spill over from lung into blood*. Pulmonary Pharmacology & Therapeutics 06/2014; 29(1)., DOI:10.1016/j.pupt.2014.06.001
56. Naif O Al-Harbi, Faisal Imam, Mohammed M Al-Harbi, Muzaffar Iqbal, Ahmed Nadeem, Mohammed M Sayed-Ahmed, Ali D Alabidy, Ali F Almukhallafi: *Olmesartan Attenuates Tacrolimus-Induced Biochemical and Ultrastructural Changes in Rat Kidney Tissue*. BioMed Research International 05/2014; 2014(5):607246., DOI:10.1155/2014/607246
57. Naif O Al-Harbi, Faisal Imam, Ahmed Nadeem, Mohammed M Al-Harbi, Muzaffar Iqbal, Sheikh Fayaz Ahmad: *Carbon tetrachloride-induced hepatotoxicity in rat is reversed by treatment with riboflavin*. International Immunopharmacology 05/2014; 21(2)., DOI:10.1016/j.intimp.2014.05.014
58. Naif O Al-Harbi, Faisal Imam, Mohammed M Al-Harbi, Muzaffar Iqbal, Ahmed Nadeem, Othman A Al-Shahrah, Hesham M Korashy, Khalid A Al-Hosaini, Mukhtar Ahmed, Saleh Bahashwar: *Treatment with aliskiren ameliorates tacrolimus-induced nephrotoxicity in rats*. Journal of Renin-Angiotensin-Aldosterone System 04/2014; 16(4)., DOI:10.1177/1470320314530178
59. Ahmed Nadeem, Nahid Siddiqui, Naif O Alharbi, Mohammad M Alharbi, Faisal Imam, Mohamed M Sayed-Ahmed: *Glutathione modulation during sensitization as well as challenge phase regulates airway reactivity and inflammation in mouse model of allergic asthma*. Biochimie 04/2014; 103(1)., DOI:10.1016/j.biochi.2014.04.001
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**Abstracts in International/National Conferences:**

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2. Teng B, Roush K, ***Nadeem A,*** Morrison RR, Mustafa SJ. *Reduced Atherosclerotic Lesions in A(1) Adenosine Receptor (AR)/Apolipoprotein E (APOE) Double Knockout Mice: Role for A(1) AR in the Development of Atherosclerosis.* **Arteriosclerosis Thrombosis and Vascular Biology**   Volume: 29    Issue: 7    Pages: E73-E74, 2009.
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18. ***Nadeem A****, Chhabra SK, Raj HG*. *Increased oxidative stress and altered levels of antioxidants in acute exacerbations of asthma.* Poster presentation at ***World Asthma Meeting,***Feb 2004 held in Bangkok, Thailand.
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22. ***Nadeem A****, Chhabra SK, Masood A, Raj HG. Oxidant-antioxidant imbalance in asthma.* Oral presentation at ***National Pulmonary Conference***, November 2001 held in Mumbai, India.

## **International/National Symposia/Conferences attended:**

1. *'The British Society for Allergy and Clinical Immunology'*, held at Telford, UK, 2015.
2. ‘*Experimental Biology Meeting’* held at New Orleans, USA, 2009.
3. *‘ATS 2008’* held at Toronto, Canada in May 2008.
4. *‘ATS 2007’* held at San Francisco, CA, USA in April 2007.
5. *‘Society for Neuroscience’* conference held at San Diego, CA, USA, November 2008.
6. *‘Experimental Biology 2006’* held at San Francisco, CA, USA in April 2006.
7. *‘ATS 2005’* held at San Diego, CA, USA in May 2005.
8. ‘*World Asthma Meeting 2004’* held at Bangkok, Thailand in Feb 2004.
9. ‘*COPD4’* conference held at Birmingham, United Kingdom in June 2004.
10. ‘*11th annual conference of the physiological society of India’* held at VP Chest Institute, Delhi in November 1999.
11. ‘*Rational use of antibiotics’* held at VP Chest Institute, Delhi in June 2000.
12. ‘*Challenges in clinical pharmacology’* at held at VP Chest Institute, Delhi in November 2001.
13. ‘*National pulmonary conference’* (NAPCON) held in Mumbai in November 2001.
14. ‘*Sarcoidosis in India’* held at VP Chest Institute, Delhi in April 2002.
15. ‘*International Conference on Chest Diseases and Allied Sciences’* held at India Habitat Center, Delhi in January 2003.
16. ‘*National conference of pharmacological society of India’* held at India Habitat Center, Delhi in December 2003.

## **Workshops attended:**

1. ‘*Grant Writing Workshop’* held at West Virginia University, WV, USA in July 2007.
2. *‘The role of Air Pollutants in Cardiovascular Disease’* held at US Environmental Protection Agency, Main Campus, Research Triangle Park, NC, USA in October 2006.
3. ‘*New perspectives in drug discovery & development’* held at VP Chest Institute, Delhi India in December 2003.