

CURRICULUM VITAE



MOHAMMAD FAREED

Present position:

*Assistant Professor,
College of Medicine,
Al-Imam Muhammad Ibn Saud Islamic University,
Riyadh, Kingdom of Saudi Arabia
E-mail: fareed.research@gmail.com*

Education:

- ***Ph.D.*** on topic entitled “**Biochemical and genetic studies among population occupationally exposed to agricultural pesticides**” in 2012 from Epidemiology Division, CSIR- Indian Institute of Toxicology Research, Lucknow, India and Department of Biotechnology, Integral University, Lucknow, India.
- ***M.Sc.*** in Biotechnology in 2006 from Institute of Biological Sciences and Biotechnology (I.B.S.B.T.), C.S.J.M. University Campus, Kanpur, India.
- ***B.Sc.*** in Biological Sciences in 2001 from Lucknow University, Lucknow, India.

Publication achievements:

- Total **39 publications** in peer reviewed ISI and web of science indexed journals.
- Co-author in **3 papers** published in **NATURE** journal (**impact factor: 43.07**) for contribution as a collaborator in Global Burden of Diseases network, USA.
- Co-author in **8 papers** published in **LANCET** journal (**impact factor: 53.25**) for contribution as a collaborator in Global Burden of Diseases network, USA.
- Co-author in **1 paper** published in **NATURE MEDICINE** journal (**impact factor: 30.64**) for contribution as a collaborator in Global Burden of Diseases network, USA.
- Authored 1 book.
- Presented 11 papers and published 19 abstracts in various national and international conferences.
- Presented a paper with travel grant in an international conference held in Washington DC, USA.

Research area:

Research background: Biochemical and genetic toxicology in occupational and environmental health.

Current research interest: Role of oxidative stress, genetic and lifestyle factors in the pathogenesis of Diabetes Mellitus Type 2 and other metabolic diseases.

Research grant:

Principal Investigator for a research project entitled "**Epidemiological study based on oxidative stress in relation with life style and dietary patterns among Type 2 Diabetes Mellitus patients in Saudi Arabia**" funded by the Deanship of Scientific Research at Al Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia for year 2017 - 2018.

Research Experience:

20 April 2010 to 19 April, 2013: **Senior Research Fellow** of Council of Scientific and Industrial Research (CSIR) in project "Health risk assessment with associated biochemical and genetic polymorphism study among the agricultural workers occupationally exposed to pesticides" at CSIR- Indian Institute of Toxicology Research, Lucknow, India.

25 May 2007 to 19 April 2010: **Research Assistant** in project funded by Uttar Pradesh Council of Science & Technology (UP-CST), entitled "Health risk assessment and environmental monitoring among pesticide sprayers in mango plantations of Uttar Pradesh State" at CSIR- Indian Institute of Toxicology Research, Lucknow, India.

15 May 2005 to 14 August 2005: **Research Trainee** in dissertation project entitled "Oxidative stress and pregnancy outcome in relation to placental lead levels among women" at CSIR- Indian Institute of Toxicology Research, Lucknow, India.

Teaching Experience:

Experience in teaching undergraduate medical students by delivering lectures for some topics related to Research Methodology, Epidemiology, Environmental and Occupational Health, Infection Prevention and Control, Molecular and Cellular techniques of Immunology and Haematology and also facilitating Problem Based Learning (PBL) tutorial sessions for different subjects (blocks) of medical curriculum at College of Medicine, Al-Imam Muhammad Ibn Saud Islamic University, Riyadh, Saudi Arabia since 13 November, 2013.

Administrative Experience:

1. Course Coordinator for elective courses of Patient Safety (academic year 2015-2016), Occupational Medicine (academic year 2016-2017) and Infection Prevention and Control (academic years 2017-2018 and 2018-2019) at College of Medicine, Al-Imam Muhammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.
2. Year Coordinator for First year medical students at College of Medicine, Al-Imam Muhammad Ibn Saud Islamic University, Riyadh, Saudi Arabia during academic years 2017-2018 and 2018-2019.
3. Head of Key Performance Indicator (KPI) committee for the accreditation tasks of College of Medicine, Al-Imam Muhammad Ibn Saud Islamic University, Riyadh, Saudi Arabia during academic years 2015-2016, 2016-2017, 2017-2018 and 2018-2019.

4. Member in Research Board of Human and Biomedical Research Center (HBMRC) at College of Medicine, Al-Imam Muhammad Ibn Saud Islamic University, Riyadh, Saudi Arabia during academic year 2016-2017.

Published papers:

Total Impact Factors: 623 (approx.)

Total Citations: 3206

h-index: 16

1. Local Burden of Disease Diarrhoea Collaborators: Robert C Reiner Jr, Kirsten E Wiens, Aniruddha Deshpande, Mathew M Baumann...**Mohammad Fareed**, Sanjay Zodpey, Simon I Hay. Mapping Geographical Inequalities in Childhood Diarrhoeal Morbidity and Mortality in Low-Income and Middle-Income Countries, 2000-17: Analysis for the Global Burden of Disease Study 2017. **LANCET**, 2020; 395(10239): 1779-1801. (**impact factor: 53.25**).
2. LBD Double Burden of Malnutrition Collaborators: Damaris K Kinyoki, Jennifer M Ross, Alice Lazzar-Atwood, Sandra B Munro...**Mohammad Fareed**, Ashkan Afshin, Simon I Hay. Mapping local patterns of childhood overweight and wasting in low-and middle-income countries between 2000 and 2017. **Nature Medicine**, 2020; 26(5): 750-759. (**impact factor: 30.64**).
3. GBD 2016 Occupational Chronic Respiratory Risk Factors Collaborators: Tim Driscoll, Kyle Steenland, Neil Pearce, Lesley Rushton...**Mohammad Fareed**, Mohammad Zamani, Stephen S Lim. Global and Regional Burden of Chronic Respiratory Disease in 2016 Arising From Non-Infectious Airborne Occupational Exposures: A Systematic Analysis for the Global Burden of Disease Study 2016. **Occupational and Environmental Medicine**. 2020; 77(3): 142-150.
4. GBD 2016 Occupational Carcinogens Collaborators: Tim Driscoll, Lesley Rushton, Sally J Hutchings, Kurt Straif...**Mohammad Fareed**, Sanjay Zodpey, Stephen S Lim. Global and regional burden of cancer in 2016 arising from occupational exposure to selected carcinogens: a systematic analysis for the global burden of disease study 2016. **Occupational and Environmental Medicine**. 2020; 77(3): 151-159.
5. GBD 2016 Occupational Risk Factors Collaborators: Tim Driscoll, Lesley Rushton, Sally J Hutchings, Kurt Straif...**Mohammad Fareed**, Sanjay Zodpey, Stephen S Lim. Global and regional burden of disease and injury in 2016 arising from occupational exposures: a systematic analysis for the global burden of disease study 2016. **Occupational and Environmental Medicine**. 2020; 77(3): 133-141.
6. Local Burden of Disease Child Growth Failure Collaborators: Damaris K. Kinyoki, Aaron E. Osgood-Zimmerman¹, Brandon V. Pickering, Lauren E. Schaeffer...**Mohammad Fareed**, Nicholas J. Kassebaum, Simon I. Hay. Mapping child growth failure across low- and middle-income countries. **NATURE**. 2020; 577(7789): 231-234. (**impact factor: 43.07**).
7. Local Burden of Disease Educational Attainment Collaborators: Graetz N, Woyczynski L, Wilson KF, Hall JB...**Mohammad Fareed**, Emmanuela Gakidou, Simon I. Hay. Mapping disparities in education across low- and middle-income countries. **NATURE**. 2020; 577(7789): 235-238.

8. GBD 2017 neonatal, infant and child deaths collaborators: Roy Burstein, Nathaniel J. Henry, Michael L. Collison...**Mohammad Fareed**, Christopher JL Murray. Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. **NATURE**. 2019; 574(7778): 353–358.
9. **Mohammad Fareed**, Mahmoud Abdulrahman Mahmoud, Khaled Al Abdul Kareem, Muhammed R. Al Khudair, Khalid M. Alwusaidi, Saud S. Almutairi, Sayaf H. Alshareef, Arezki Azzi, Ihsan Nasr Eldin E.A. Gadir, Maqusood Ahamed. Oxidative stress with glycemic and lipid investigation among adult patients of Diabetes Mellitus Type 2 in Riyadh, Saudi Arabia. *Bulletin of Environment, Pharmacology and Life Sciences*. 2019; 8(8): 85-92. (**corresponding author**).
10. Nasir Salam, **Mohammad Fareed**. Soil Transmitted Helminth Infections and its Association with Haemoglobin Levels in India: A Meta-analysis. *Journal of Clinical & Diagnostic Research*. 2019; 13(6): 12-16.
11. Meshal Al-Dayel, Mustafa Arafa, Randa Nooh, Fahad Alamri and **Mohammad Fareed**. Knowledge, Attitude and Practice about Breast Cancer among Saudi Women: A Cross-sectional Study in Riyadh. *International Journal of Medical Research & Health Sciences*. 2019; 8(6): 38-48. (**corresponding author**).
12. **Mohammad Fareed**, Mazin Ali Alolayan, Eyad Ali Alolayan. Prevalence of Symptoms for Undiagnosed Irritable Bowel Syndrome among Medical Students in Riyadh, Saudi Arabia. *International Journal of Biology, Pharmacy and Allied Sciences*. 2019; 8(3): 617-626. (**corresponding author**).
13. **Mohammad Fareed**, Mahmoud Abdulrahman Mahmoud, Anis Ahmad Chaudhary, Arezki Azzi, Saud S. Almutairi, Sayaf H. Alshareef, Khalid M. Alwusaidi, Muhammed R. Al Khudair, Ihsan Nasr Eldin E.A. Gadir, Khaled AlAbdulKareem. Life style and dietary patterns among type 2 diabetes mellitus adult patients: a case control study in Riyadh, Saudi Arabia. *International Journal of Biology, Pharmacy and Allied Sciences*. 2019; 8(1): 119-131. (**corresponding author**).
14. Abdulaziz Saeed Almalki, Hatem Alhumaidi Alharbi, Rayan Siddiq Elsini, Omar Abdulrazaq Alhamad, Abdulrahman Mohammed Masmali, **Mohammad Fareed**. The relation between energy drinks and hypertension in Riyadh city, Saudi Arabia: cross sectional study. *Indo American Journal of Pharmaceutical Sciences*. 2018; 5(12): 14104-14108.
15. GBD 2017 Causes of Death Collaborators: Gregory A Roth, Degu Abate, Kalkidan Hassen Abate...**Mohammad Fareed**, Christopher JL Murray. Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980–2017: a systematic analysis for the Global Burden of Disease Study 2017. **LANCET**. 2018; 392(10159): 1736-1788.
16. GBD 2017 Disease and Injury Incidence and Prevalence Collaborators: Spencer L James, Degu Abate, Kalkidan Hassen Abate...**Mohammad Fareed**, Christopher JL Murray. Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. **LANCET**. 2018; 392 (10159): 1789-1858.
17. GBD 2017 SDG Collaborators: Rafael Lozano, Nancy Fullman, Degu Abate...**Mohammad Fareed**, Christopher JL Murray. Measuring progress from 1990 to 2017 and projecting attainment to 2030 of the health-related Sustainable Development Goals for 195 countries and territories: a systematic analysis for the Global Burden of Disease Study 2017. **LANCET**. 2018; 392(10159): 2091-2138.

18. GBD 2017 Mortality Collaborators: Daniel Dicker, Grant Nguyen, Degu Abate...**Mohammad Fareed**, Christopher JL Murray. Global, regional, and national age-sex-specific mortality and life expectancy, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017. **LANCET**. 2018; 392(10159): 1684-1735.
19. GBD 2017 Population and Fertility Collaborators: Christopher J L Murray, Charlton S K H Callender, Xie Rachel Kulikoff...**Mohammad Fareed**, Christopher JL Murray. Population and fertility by age and sex for 195 countries and territories, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017. **LANCET**. 2018; 392(10159): 1995-2051.
20. GBD 2017 DALYs and HALE Collaborators: Hmwe Hmwe Kyu, Degu Abate, Kalkidan Hassen Abate...**Mohammad Fareed**, Christopher JL Murray. Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. **LANCET**. 2018; 392(10159): 1859-1922.
21. GBD 2017 Risk Factor Collaborators: Jeffrey D Stanaway, Ashkan Afshin, Emmanuela Gakidou... **Mohammad Fareed**, Christopher JL Murray. Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. **LANCET**. 2018; 392(10159): 1923-1994.
22. **Mohammad Fareed**, Mohammed Meshal Al Meshal, Musaad Saad Al Balood, Kamal Halim. Prevalence of asthma and allergic symptoms among general population in Riyadh region of Saudi Arabia. *International Journal of Medical Research and Health Sciences*. 2018; 7(10): 121-126. (**corresponding author**)
23. Mahmoud Abdulrahman Mahmoud, **Mohammad Fareed**. Assessment of quality of life among medical students in Saudi Arabia: a study based on WHO-QOL-BREF protocol. *International Journal of Medical Research and Health Sciences*. 2018; 7(10): 1-11. (**corresponding author**)
24. Anis Ahmad Chaudhary, **Mohammad Fareed**, Abdul Malik, Osama A. Al-Khamees. Molecular characterization of resistance to ESBL producing *e. coli* and development of lamp assay against the microbes for UTIs patients. *International Journal of Medical Research and Health Sciences*. 2018; 7(9): 112-119.
25. **Mohammad Fareed**, Mahmoud Abdulrahman Mahmoud, Sami Abdo Radman Al-Dubai, Abdullah T Khoja. Adverse respiratory health and decline in lung functions among workers of Riyadh metro railway tunnel. *International Journal of Medical Research and Health Sciences*. 2018; 7(7): 127-131. (**corresponding author**)
26. J Ahmad, MA Siddiqui, MJ Akhtar, HA Alhadlaq, A Alshamsan, ST Khan, R Wahab, AA Al-Khedhairi, A Al-Salim, J Musarrat, Q Saqib, **M Fareed**, M Ahamed. Copper doping enhanced the oxidative stress-mediated cytotoxicity of TiO₂ nanoparticles in A549 cells. *Human and Experimental Toxicology*. 2018; 37(5): 496-507.
27. **Mohammad Fareed**, Nasir Salam, Abdullah T Khoja, Mahmoud Abdulrahman Mahmoud, Maqsood Ahamed. Life style related risk factors of type 2 diabetes mellitus and its increased prevalence in Saudi Arabia: a brief review. *International Journal of Medical Research and Health Sciences*. 2017; 6(3): 125-132. (**corresponding author**).
28. **Mohammad Fareed**, Chandrasekharan Nair Kesavachandran, Vipin Bihari, Ritul Kamal, Mohammed Kuddus. Oxidative stress and cholinesterase depression among farm workers

occupationally exposed to pesticides in India. *Journal of Environmental Biology*. 2017; 38(2): 305-311. (**corresponding author**)

29. Waleed Muhammad Al-Shaqha, **Mohammad Fareed**, Anis Ahmad Chaudhary, Arezki Azzi, Nasir Salam. Immunopathogenesis and epidemiology of Middle East Respiratory Syndrome Coronavirus. *Journal of Applied Medical Sciences*. 2016; 5(1): 53-64.
30. **Mohd. Fareed**, Manoj Kumar Pathak, Vipin Bihari, Ritul Kamal, Anup Kumar Srivastava, Chandrasekharan Nair Kesavachandran. Adverse respiratory health and hematological alterations among agricultural workers occupationally exposed to organophosphate pesticides: A cross-sectional study in North India. *Plos One*. 2013; 8(7): e69755. doi:10.1371/journal.pone.0069755.
31. Kesavachandran C, Pangtey BS, Bihari V, Fareed M., Pathak MK, Mathur N, Srivastava AK. Particulate matter concentration in ambient air and its effects on lung functions among residents in the National Capital Region, India. *Environmental Monitoring and Assessment*. 2013; 185(2):1265-1272.
32. Manoj Kumar Pathak, **Mohd. Fareed**, Anup Kumar Srivastava, Balram Singh Pangtey, Vipin Bihari, Mohammed Kuddus, Chandrasekharan Nair Kesavachandran. Seasonal variations in cholinesterase activity, nerve conduction velocity and lung function among sprayers exposed to mixture of pesticides. *Environmental Science and Pollution Research*. 2013; 20(10): 7296-7300.
33. Akhtar MJ, Ahamed M, **Fareed M.**, Alokayan SA, Kumar S. Protective effect of sulphoraphane against oxidative stress mediated toxicity induced by CuO nanoparticles in mouse embryonic fibroblasts BALB 3T3. *The Journal of Toxicological Sciences*. 2012; 37(1):139-48.
34. **Mohd. Fareed**, Chandrasekharan Nair Kesavachandran, Manoj Kumar Pathak, Vipin Bihari, Mohammed Kuddus, Anup Kumar Srivastava. Visual disturbances with cholinesterase depletion due to exposure of agricultural pesticides among farm workers. *Toxicological & Environmental Chemistry*. 2012; 94(8): 1601-1609.
35. Manoj Kumar Pathak, **Mohd. Fareed**, Vipin Bihari, Mudium Mohan Krishna Reddy, Devendra Kumar Patel, Neeraj Mathur, Mohammad Kuddus, Chandrasekharan Nair Kesavachandran. Nerve conduction studies in sprayers occupationally exposed to mixture of pesticides in a mango plantation at Lucknow, North India. *Toxicological & Environmental Chemistry*. 2011; 93(1), 188–196.
36. Kesavachandran Chandrasekharan Nair, Vipin Bihari, Balram Singh Pangtey, Manoj Kumar Pathak, **Mohd. Fareed**, Neeraj Mathur, Anup Kumar Srivastava. Respiratory health problems associated to infrastructural development among residents living near Special Economic Zone in India. *Clean Technology and Environment Policy*. 2011; 13:697–702.
37. Manoj Kumar Pathak, **Mohd. Fareed**, Vipin Bihari, Mudium Mohan Krishna Reddy, Devendra Kumar Patel, Neeraj Mathur, AK Srivastava, Mohammad Kuddus, Chandrasekharan Nair Kesavachandran. Cholinesterase levels and morbidity in pesticide sprayers in North India. *Occupational Medicine*. 2011; 61(7):512-514.
38. **Mohd. Fareed**, Manoj Kumar Pathak, Vipin Bihari, Mudium Mohan Krishna Reddy, Devendra Kumar Patel, Neeraj Mathur, Mohammad Kuddus, Chandrasekharan Nair Kesavachandran. Hematological and biochemical alterations in sprayers occupationally exposed to mixture of pesticides at a mango plantation in Lucknow, India. *Toxicological & Environmental Chemistry*. 2010; 92(10): 1919–1928.

39. Kesavachandran Chandrasekharan Nair, **Mohd. Fareed**, Manoj Kumar Pathak, Neeraj Mathur, Vipin Bihari, Anup Kumar Srivastava. Adverse health effects of pesticides in agrarian populations of developing countries. *Reviews of Environmental Contamination and Toxicology*. 2009; 200:33-48.
40. Kesavachandran Chandrasekharan Nair, Manoj Kumar Pathak, **Mohd. Fareed**, Vipin Bihari, Neeraj Mathur, Anup Kumar Srivastava. Health risks of employees working in pesticide retail shops: An exploratory study. *Indian Journal of Occupational and Environmental Medicine*. 2009; 13(3):121-126.
41. Ahamed M, **Mohd. Fareed**, Kumar A, Siddiqui WA, Siddiqui MKJ. Oxidative stress and some neurologic disorders in relation to blood lead among children. *Redox Report*. 2008;13(3):117-122.

Published Book:

Mohammad Fareed, Kesavachandran Chandrasekharan Nair. Health Risks associated with Occupational Exposure of Pesticides: An Indian Scenario. Lambert Academic Publishing. 2016. ISBN: 978-3-659-82912-3.

Participations in National and International Conferences:

1. **Mohamamad Fareed**, Chandrasekharan Nair Kesavachandran. Hematological alterations and oxidative stress among farmers occupationally exposed to organophosphate pesticides in mango orchards of Lucknow region. International Conference on Recent Trends in Advanced Biology, Health and Environmental Sciences, Goa, India, 2018 (**oral presentation**).
2. **Mohamamad Fareed**, Chandrasekharan Nair Kesavachandran, Abdullah Tawfik Khoja. Oxidative stress and genetic susceptibility among farmers occupationally exposed to organophosphate pesticides; 12th World Congress on Industrial Health, Healthcare & Medical Tourism, Dubai, UAE, 2017 (**invited talk**).
3. Razique Anwer, Waleed Muhammad Al Shaqha, **Mohammad Fareed**. Spirulina as novel photosynthetic micro-algae for promising insulin-like protein other than pancreas; Industrial Biotechnology Congress, Birmingham, United Kingdom, 2015 (**abstract published**).
4. **M. Fareed**, M.K. Pathak, C. Kesavachandran, V. Bihari, Ritul Kamal, B.S. Pangtey, A.K. Srivastava; Adverse health risk and hematological alterations among farm workers occupationally exposed to mixture of pesticides in North India; The XIII International Congress of Toxicology (ICT), Coex, Seoul, South Korea, 2013 (**abstract published**).
5. **M. Fareed**, M.K. Pathak, C. Kesavachandran, V. Bihari, R. Kamal, B.S. Pangtey, A.K. Srivastava; Occupational exposure of pesticides leading to oxidative stress and adverse health effects among agricultural workers; International conference of Advances in Free Radicals, Redox Signaling and Translational Antioxidant Research (SFRR-STAR), Lucknow, India, 2013 (**poster presentation**).
6. **M. Fareed**, M.K. Pathak, C. Kesavachandran, V. Bihari, R. Kamal, A.K. Srivastava; Occupational exposure of pesticides leading to adverse health effects with depleted cholinesterase levels among agricultural workers; National Symposium on Emerging Trends in Biological Sciences: Special Emphasis on Neurosciences (ETBS), Aligarh, India, 2012 (**oral presentation**).

7. M.K. Pathak, **M. Fareed**, C. Kesavachandran, V. Bihari, R. Kamal, A.K. Srivastava; Comparative assessment of acetylcholinesterase and butyrylcholinesterase activity among applicators exposed to mixture of pesticides; National Symposium on Emerging Trends in Biological Sciences: Special Emphasis on Neurosciences (ETBS), Aligarh, India, 2012 (**abstract published**).
8. **M. Fareed**, C. Kesavachandran, M.K. Pathak, V. Bihari, R. Kamal, A.K. Srivastava; Comparative analysis of altered Hematological profile among pesticide sprayers of two distinct agricultural locations; 31st Annual Conference of Society of Toxicology (STOX), Jaipur, India, 2011 (**poster presentation**).
9. **M. Fareed**, M.K. Pathak, V. Bihari, A.K. Srivastava, C. Kesavachandran, N. Mathur; Morbidity status with cholinesterase depletion and hematological alterations among farm workers occupationally exposed to mixed pesticides; American Occupational Health Conference (AOHC), Washington DC, USA, 2011 (**poster presentation**).
10. **M. Fareed**, M.K. Pathak, V. Bihari, A.K. Srivastava, N. Mathur, C. Kesavachandran; Comparative health risk assessment among population occupationally exposed to agricultural pesticides; 30th Annual Conference of Society of Toxicology (STOX), New Delhi, India, 2010 (**poster presentation**).
11. **M. Fareed**, M.K. Pathak, C. Kesavachandran, V. Bihari, A.K. Srivastava, N. Mathur; Prevalence of neurological morbidity among subjects spraying agricultural pesticides; 5th Federation of Asian and Oceanian Neuroscience Societies (FAONS) Congress - 2010 & 28th Annual Meeting of Indian Academy of Neurosciences, Lucknow, India, 2010 (**poster presentation**).
12. **M. Fareed**, M.K. Pathak, V. Bihari, N. Mathur, C. Kesavachandran; Ocular morbidity among pesticide sprayers employed in mango plantation; 97th Indian Science Congress, Thiruvananthapuram, India, 2010 (**poster presentation**).
13. M.K. Pathak, **M. Fareed**, V. Bihari, N. Mathur, C. Kesavachandran; Cholinesterase inhibition among pesticide applicators using different methods of spraying techniques; 97th Indian Science Congress, Thiruvananthapuram, India, 2010 (**abstract published**).
14. **M. Fareed**, M.K. Pathak, V. Bihari, N. Mathur, C. Kesavachandran; Respiratory morbidity and lung function indices in pesticides exposed population; 29th Annual Conference of Society of Toxicology (STOX), Hyderabad, India, 2009 (**poster presentation**).
15. M.K. Pathak, **M. Fareed**, V. Bihari, N. Mathur, C. Kesavachandran; Sub clinical nerve conduction deficits and neurological problems in pesticide exposed population; 29th Annual Conference of Society of Toxicology (STOX), Hyderabad, India, 2009 (**abstract published**).
16. **M. Fareed**, M.K. Pathak, V. Bihari, U. Mani, R.S. Bharti, D.K. Patel, C. Kesavachandran, N. Mathur; Association of incorrect work practices, exposure period and predictors for abnormal haematology in pesticide exposed population; 28th Annual Conference of Society of Toxicology (STOX), Ludhiana, India, 2008 (**poster presentation**).
17. M.K. Pathak, **M. Fareed**, V. Bihari, D.K. Patel, C. Kesavachandran and N. Mathur; Identification of factors responsible for pesticides exposure with nerve conduction deficits; 28th Annual Conference of Society of Toxicology (STOX), Ludhiana, India, 2008 (**abstract published**).
18. Vipin Bihari, C. Kesavachandran, **M. Fareed**, N. Mathur; Respiratory morbidity among women exposed to biomass fuel smoke; 28th Annual Conference of Society of Toxicology (STOX), Ludhiana, India, 2008 (**abstract published**).

19. **M. Fareed**; International Symposium on Prognostic and Predictive Factors in Cancer Management, Department of Radiotherapy, King George Medical University (formerly CSJM Medical University), 15 – 16 December, 2008 (**conference attended**).
20. **M. Fareed**; M.K. Pathak, R. Kumar, D.K. Patel, U. Mani, V. Bihari, C. Kesavachandran, N. Mathur; Agricultural Health Study Among Farmers with special emphasis on pesticide exposure; 27th Annual Conference of Society of Toxicology (STOX), Bangalore, India 2007 (**poster presentation**).
21. **M. Fareed**; National Conference on Immunology in Health and Disease, Institute of Life Sciences, C.S.J.M. University Campus, Kanpur, India, 11 – 12 January, 2006 (**conference attended**).

Workshop Attended:

1. Attended Essential Skills in Medical Education (ESME) Course conducted by The Association for Medical Education in Europe (AMEE) and College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University held on 1 - 5 April, 2018 at Hotel Madareem Crown, Riyadh, Saudi Arabia.
2. Workshop attended on “DNA amplification methods using Real time PCR technique in addition to advance and sophisticated applications” from 12-15 April, 2015 at Medical Research Centre, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.
3. Workshop attended on “How to conduct a Systematic Review in Medical Education Research, based on BEME guidelines” organized by Dr. Alkoli for developing medical education in Saudi Arabia, held on April 7, 2015 at College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.
4. Workshop attended on “Al-Imam Medical Teachers Induction Course” from 5-6 April, 2015 at Medical Education Department, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.
5. Workshop attended on Clinical key & Mosbey’s Nursing training session conducted by Elsevier on 28th October 2014, at Medical Education Department, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.
6. Workshop attended on “PBL (Problem Based Learning) Training Course” from 21-22 September, 2014 at Medical Education Department, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.
7. Attended workshop for the MCQ construction on 10th May, 2014 at Medical Education Department, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.
8. Workshop attended on “How to write course specification using NCAAA course template for accreditation” on 1st March, 2014 at Medical Education Department, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.
9. Workshop attended on “How to prepare OSCE (Objective Structured Clinical Examination)” on 28th December, 2013 at Medical Education Department, College of Medicine, Al-Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia.
10. Workshop attended on “Pre-Clinical Toxicology and Ethics in Animal Experimentation and GLP” on 4 November, 2009 at Food and Drug Toxicology Research Centre, National Institute of Nutrition, Hyderabad, India.

11. Attended 27th Workshop on Recombinant DNA Technology held on September 26 - October 4, 2009 organized by Central Facility for Biotechnology Teaching and Research, Daniel Model School Campus, Madurai (Tamil Nadu), India.

Presentation in Invited International Conferences abroad:

1. Visited Dubai, UAE to present a paper in 12th World Congress on Industrial Health, Healthcare & Medical Tourism, held on 16-17 October, 2017 at Hotel JW Marriott, Dubai, UAE.
2. Visited Washington DC, USA to present a paper in American Occupational Health Conference (AOHC 2011) held on March 26-29, 2011 at Hotel Grand Hyatt, Washington DC, USA.

Research Activities:

- As a Principal Investigator, I have completed a research project entitled "Epidemiological study based on oxidative stress in relation with life style and dietary patterns among Type 2 Diabetes Mellitus patients in Saudi Arabia". This research was mainly based on investigating the role of oxidative stress associated with life style and dietary patterns among Type 2 Diabetes Mellitus patients (T2DM). The assessment of sedentary life style and unhealthy dietary pattern among T2DM was done which were correlated with oxidative stress parameters by analyzing the activities of antioxidant enzymes catalase (CAT) and glutathione peroxidase (GPx); level of antioxidant molecule reduced glutathione (GSH); extent of lipid peroxidation (LPO).
- I am an active collaborator of Global Burden of Disease (GBD) Network, Institute for Health Metrics and Evaluation, Seattle, Washington, USA. GBD network is a comprehensive regional and global research program of disease burden that assesses mortality and disability from major diseases, injuries, and risk factors. The main aim of GBD network is to systematically incorporate information on non-fatal outcomes into the assessment of the health status at global level.
- During my doctorate, I had conducted my research on topic "Biochemical and genetic studies among population occupationally exposed to agricultural pesticides" which mainly focused on the pesticides induced adverse health effects among agrarian population in North India. Research was conducted to assess the acute and chronic health problems, hematological abnormalities, analysis of some pesticide residues in blood through gas chromatography (GC), PCR-RFLP based genetic polymorphism of paraoxonase gene (PON 1) for organophosphate pesticides susceptibility, activity of blood paraoxonase enzyme, determination of oxidative stress by analyzing the activities of antioxidant enzymes catalase (CAT) and glutathione peroxidase (GPx); level of antioxidant molecule reduced glutathione (GSH); extent of lipid peroxidation (LPO), activities of neurotransmitting enzymes acetyl-cholinesterase (AChE) and butyryl-cholinesterase (BChE), electrophysiological tests for nerve conduction deficits (sensory and motor nerve conduction velocity), spirometry based lung function abnormalities (PEFR, FEV₁ and FVC), among male pesticide sprayers.
- During my M.Sc., I did my dissertation on the topic entitled "Oxidative stress and pregnancy outcome in relation to placental lead levels among women" at CSIR- Indian Institute of Toxicology Research (IITR), Lucknow, India. This research mainly focused on the abnormal antioxidant status among lead exposed pregnant women resulting in pre-term deliveries.

Research Collaborations:

1. Research Collaboration with Global Burden of Disease Collaborator Network, Institute for Health Metrics and Evaluation, Seattle, Washington, USA.
2. Research Collaboration with King Abdullah Institute for Nanotechnology, King Saud University, Riyadh, Saudi Arabia.

Membership in Scientific and Academic Society:

1. Life Member in Indian Science Congress Association (ISCA), Kolkata, India.
2. Life Member in Indian Public Health Association (IPHA), Kolkata, India.
3. Life Member in National Academy of Biological Sciences (NABS), Chennai, India.

Awards and Honors:

1. Senior Research Fellowship has been awarded from Council of Scientific and Industrial Research (CSIR), New Delhi, India in year 2010.
2. International Travel Grant has been awarded from Council of Scientific and Industrial Research (CSIR), Indian Council of Medical Research (ICMR) and Department of Science and Technology (DST) for American Occupational Health Conference (AOHC), Washington DC, USA in year 2011.
3. Publication Reward for international publications from Deanship of Scientific Research at Al Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia in year 2017, 2018, 2019.

Editorial board member:

1. Associate Editor in '**Medical Journal of Clinical Trials & Case Studies**', an international journal of Medwin Publishers, USA.
(Weblink: <https://medwinpublishers.com/MJCCS/editorial-board.php>).
2. Member in editorial board of '**Frontiers in Medicine and Research**', an international journal of eSciRes Publications, USA.
(Weblink: <http://escires.com/frontiers-in-medicine-and-research-editorial-board.html>).
3. Member in editorial board of '**European Journal of Biomedical and Pharmaceutical Sciences**', an international journal of Society for Advance Healthcare Research, India.
(Weblink: http://www.ejbps.com/ejbps/editorials_board).
4. Member in editorial board of '**Research in Health Science**' an international journal of Scholink Co., Ltd, USA.
(Weblink: <http://www.scholink.org/ojs/index.php/rhs/about/editorialTeam>).
5. Member in editorial board of '**International Journal of Environmental Monitoring and Analysis**' an international journal of Science Publishing Group, USA.
(Weblink: <http://www.sciencepublishinggroup.com/ijjema>).

Reviewer in Scientific Journals:

1. **Biomarkers**, Taylor & Francis Publishing Group.
2. **Research in Health Science**, Scholink Publishing Group.
3. **Current Molecular Pharmacology**, Bentham Science Publishers.
4. **Journal of Environmental Biology**, Triveni Enterprises.
5. **Current Research in Nutrition and Food Science Journal**, Enviro Research Publishers.
6. **BioMed Research International**, Hindawi Publishing Group.
7. **Saudi Medical Journal**, Saudi Arabia.
8. **Journal of Biochemical and Molecular Toxicology**, Wiley Online Library.
9. **Journal of Environmental and Public Health**, Hindawi Publishing Group.
10. **BMJ Nutrition, Prevention & Health**, BMJ journals.
11. **Dermatology Research and Practice**, Hindawi Publishing Group.
12. **Journal of Environmental and Public Health**, Hindawi Publishing Group

Personal Profile:

Name : Dr. Mohammad Fareed

Father's Name : Dr. Basheer Ahmad

Address : 551 Ka/347E, Azeez Manzil,
Sanjay Gandhi Marg, Azad Nagar,
Alambagh, Lucknow – 226005, U.P., India

Nationality : Indian

Gender : Male

Marital Status : Married

Date of Birth : 05-07-1983

Language Known : English, Hindi, Urdu

References:

1. Dr. Chandrasekharan Nair Kesavachandran

Senior Principal Scientist,
Epidemiology Division,
CSIR- Indian Institute of Toxicology Research,
PO Box: 80, MG Marg, Lucknow-226001
Phone: +91-9450094053
E-mail: ckesavachandran@gmail.com

2. Prof. Mohammed Kuddus

Head, Department of Biochemistry,
Vice-Dean, College of Medicine,
University of Hail,
Hail, Kingdom of Saudi Arabia
Phone: +966-504984419
E-mail: mkuddus@gmail.com

3. Dr. Maqusood Ahamed

Associate Professor,
King Abdullah Institute for Nanotechnology,
King Saud University,
Riyadh, Kingdom of Saudi Arabia
Phone: +966-532234878
E-mail: maqusood@gmail.com