

DR. (PROF.) FARZANA MAHDI

- 1. Name** : **Prof. (Dr.) Farzana Mahdi**
- 2. Designation** : Pro-Vice Chancellor, Era University.
Director Academics & Professor, Era's Lucknow Medical College.
Academic Dean, American University of Barbodas.
Head, Personalized and Molecular Medicine, Era University, Lucknow.
- 3. Complete Postal Addresses & PIN** : 27B/10, Jopling Road, Lucknow-226001
- Telephone Number** : 7897368768
- Fax** : (0522) 2409784
- E-mail** : farzana.mahdi@gmail.com
- 4. Date of birth** : 28th June, 1966

5. Educational Qualification

Degrees obtained (Begin with Bachelor's Degree)

Degree	Institution	Year
B.Sc	Lucknow University	1985
M.Sc	Lucknow University	1987
Ph.D	Kanpur University	1992

Thesis title: "Effect of environmental pollutants on rat intestinal brush border membrane"

Supervisor: Prof. Dr A.M. Kidwai

6. Awards/recognition received

- Prof. Farzana Mahdi, Dept. of Biochemistry -Best poster award in International conference in Medical Education at Abu Dhabi, UAE in 2010

7. Experience in Medical Education

- Participated in Essential skills in Medical Education (ESME) Course held during Ottawa-ICME 2018 Conference, Abu Dhabi, UAE, March 10th-11th 2018

- Participated in National conference on Quality benchmarks in health science education (EDUCON 2018; Theme: student-centric teaching-learning), Mumbai , February 17th -18th, 2018
- FAIMER fellowship, G.S.M.C., Mumbai for the year 2013-2014.
- Attended the workshop on “Understanding the accreditation process used by the Liaison committee on medical education for US and Canadian Medical Schools” in International conference in Medical education, Abu Dhabi-UAE, December 4, 2010.
- Attended workshop on “Apractical guide to implementing outcome-Based education” in International conference in Medical education, Abu Dhabi-UAE, December 6, 2010.
- Presented a poster entitled “impact of basic workshop in medical education technologies on knowledge of participants” in International conference in Medical education, Abu Dhabi-UAE, December 4th-7th , 2010.
- Presented a poster entitled “Preliminary study on the development of scale for measuring motivation for medical career in Indian Scenario” in International conference in Medical education, Abu Dhabi-UAE, December 4th-7th , 2010.
- Attended International conference in Medical education, Abu Dhabi-UAE, (14 CME hours), December 4th-7th , 2010.

8. Research / Training Experience

Duration	Institution	Particulars of work done
Professor 10.04.2010 – to date	Department of Biochemistry Era’s Lucknow Medical College, Lucknow.	Teaching, Research and Administration
Associate Professor 09.01.2005–09.04.10	Department of Biochemistry Era’s Lucknow Medical College, Lucknow.	Teaching, Research and Administration
Assistant Professor 09.01. 2000- 08.01.2005	Department of Biochemistry Era’s Lucknow Medical College, Lucknow	Teaching, Research and Administration
Research Associate 01.01.1994- 31.12.1998	Department of Biochemistry, King George’s Medical College, Lucknow.	Research
Research Associate	Indian Council of Medical Research (Govt. of India), New Delhi	Research
Senior Research Fellow	Indian Council of Medical Research (Govt. of India), New Delhi	Research

Junior Research Fellow	Indian Council of Medical Research (Govt. of India), New Delhi	Research
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9. Administrative experience

- Academic Dean, American University of Barbados.
- Director (Academics) Era's Lucknow Medical College, Lucknow, with effect from November 11, 1999 till date.
- Coordinator Medical Education and Technology Department.
- Coordinator Curriculum committee.
- Chairperson Faculty Search and promotion committee.
- Member Institutional ethics Committee.
- Incharge Clinical Skill Laboratory.

10. Examiner

- M.B.B.S. – Dr. R.M.L. Avadh University, Faizabad.

11. Membership scientific bodies

1	Life Member	Indian Society for Reproductive Biology and Comparative Endocrinology
2	Life Member	Association of Clinical Biochemists of India
3	Founder Member	Society for Free Radical Research-India (Life member)
4	Founder Member	International Academy of Biomedical sciences (Life member)

12. Extramural Research Projects/Grants Awarded by National Agencies:

Department of Science and Technology (DST)

- Diabetic dyslipidemia and cardiovascular diseases: The possible role of Indian Herbal Medicine” (2008).
- Dissecting the role of CatSper ion channel genes in male fertility (2012-2015)

Indian Council of Medical Research (ICMR)

- “A study on the effect of some natural products on dysfunctional HDL during Diabetic dyslipidemia in Rats”. (2007-09).
- To study the anticancer activity of aqueous plant extracts on Breast cancer cell lines and expression of BRCA1, BRCA2, ATM, CHEK2 and TP53 genes (2014)
- Association of osteoregulatory gene polymorphism in adjoining areas of Lucknow.
- “A Study on oxidative stress and anti-oxidative profile in arthritis patients”. (2008)

Uttar Pradesh Council Of Science And Technology (UPCST)

- “Role of circulating micro-RNA’s as early diagnostic biomarker for Type II Diabetes Mellitus “ (2016)
- “A Study of The Neurotoxicity of Silica Nanoparticles in Different Regions of Rat Brain” (2009)

13. Ph.D. Thesis Guide

- “Role of C-kit gene in neoplasia”. Mr. Rizwan Hussain (BR Ambedkar University, Lucknow)
- “Functional genomics approach to understand the importance of CatSper ion channel genes in male fertility”. Ms Hena Naqvi (CSMMU, Lucknow)
- “A Study of The Neurotoxicity of Silica Nanoparticles in Different Regions of Rat Brain” Ms Arshiya Perveen (CSMMU, Lucknow) One intramural project completed in 2011 at ELMCH- Study of Relationship of Type 2 Diabetics Mellitus and Periodontal Disease- As Principal Investigator(Published In Indian J of Endocrinology and Metabolism), second is ongoing- Role of Vitamin D in Patients of pulmonary tuberculosis
- Working as guide and co-guide in various thesis projects of post graduate students.

14. Research specialization

(Major scientific fields of interest)

- Free Radical Biology
- Toxicology
- Clinical Biochemistry
- Molecular aspects of metal toxicity
- Male infertility
- Autism
- Molecular genetics

15. International/national conferences organized

S. No.	Capacity	Name of the Conference	Venue	Date
1.	Joint Organizing Secretary	<i>International Conference on Role of Free Radicals and Anti-Oxidants in Health & Disease and 2nd Annual Conference of Society of Free Radical Research-India and International Symposium on "Molecular Medicine: Role of Free Radical Biomarkers"</i>	C.S.M. Medical University, Lucknow	10-12 February, 2003
2.	Joint Organizing Secretary	PEDICON-2006	Era's Lucknow Medical College, Lucknow	June 2006
3.	Co - Organizing Secretary	National workshop on "Prevention of Lead Poisoning"	C.S.M. Medical University, Lucknow	29 th March, 2008
4.	Organizing Secretary	<i>International Conference on Role of Free Radicals and Anti-Oxidants in Health & Disease and 2nd Annual Conference of Society of Free Radical Research-India and International Symposium on "Molecular Medicine: Role of Free Radical Biomarkers"</i>	Era's Lucknow Medical College, Lucknow	19-21 March, 2009

5.	Organizing Secretary	<i>International conference on PERSONALIZED MEDICINE: "Concept and role players".</i>	Era University	19 th and 20 th February 2020
6.	Secretary general	<i>2nd International Conference of Indian Society of Personalized Medicine, "Recent advances and challenges"</i>	Era University	24 th and 25 th March 2021
7.	Co-Patron	<i>Hands-on Workshop on Basic and Advanced Molecular Biology Techniques .</i>	Era University	March 30th-31st, 2022
8.		<i>International symposium on "Newer Trends in Cardiovascular Research" Hands-on Work Shop On Molecular Biology Techniques Including CRISPR/Cas9 Based Gene Editing.</i>	Era University	24 th June 2022

16. Recent publications

- Ansari AI, Rizvi AA, Verma S, et al. Interactions between diabetic and hypertensive drugs: a pharmacogenetics approach. *Mol Genet Genomics.* 2023;298(4):803-812. doi:10.1007/s00438-023-02011-7
- Abbas M, Verma S, Verma S, Siddiqui S, Khan FH, Raza ST, Siddiqi Z, Eba A, **Mahdi F.** Association of GSTM1 and GSTT1 gene polymorphisms with COVID-19 susceptibility and its outcome. *Journal of medical virology.* 2021 ;93(9):5446-5451 (IF. 20.6)
- Verma S, Abbas M, Verma S, Khan FH, Raza ST, Siddiqi Z, Ahmad I, **Mahdi F.** Impact of I/D polymorphism of angiotensin-converting enzyme 1 (ACE1) gene on the severity of COVID-19 patients. *Infection, Genetics and Evolution.* 2021 Jul 1;91:104801. (IF. 4.342)
- Verma S., Abbas M., Verma S., Raza S.T., **Mahdi F.** The 2019 Novel Pandemic Of Coronavirus Disease (covid-19): A Study Of Existing Evidence In The Indian Population. *Era J. Med. Res.* 2020; 7(2): 1-6.
- Verma S, Abbas M, Verma S, Abbas Rizvi A, Khan A, Tasleem Raza S, **Mahdi F.** A perspective of precision medicine in the management of COVID-19. *Novel Research in Microbiology Journal.* 2021 Aug 1;5(4):1313-24.
- Verma S, Abbas M, Verma S, Rizvi A, Khan A, Raza ST, **Mahdi F.** Effectiveness of Blood pressure and body temperature screening for severity in COVID-19 patients. *Journal of Microbiology* 2021.
- Verma S., Verma S., Abbas M, Rizvi A. A., Khan A., Raza S. T., **Mahdi F.** Role of Personalized Medicine in Thyroid Cancer: Latest Aspects. *Era J. Med. Res.* 2021; 8(1): 1-6
- Verma S., Verma S., Abbas M, Rizvi A. A., Khan A., Raza S. T., **Mahdi F.** Risk of mucormycosis in COVID-19 patients: A review. . *Era J. Med. Res.*
- Rizvi AA, Abbas M, Verma S, Verma Shrikant, Khan A, Raza ST, **Mahdi F.** Determinants in Tailoring antidiabetic Therapies: A Personalized Approach. *Glob Med Genet.* 2022; DOI: 10.1055/s-0041-1741109.

- Khan A, Abbas M, Verma S, Verma S, Rizvi AA, Haider F, Raza ST, **Mahdi F**. Genetic Variants and Drug Efficacy in Tuberculosis: A Step toward Personalized Therapy. *Global Medical Genetics*. 2022 Feb 25.
- Sushma Verma, Saliha Rizvi, Mohd Abbas, Tasleem Raza, **Farzana Mahdi**, Personalized medicine- future of diagnosis and management of T2DM. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews* 13 (4), 2425-2430 2019.
- Abbas S, Raza ST, Mir SS, Siddiqi Z, **Mahdi F**. Association of GSTP1 gene polymorphism with diabetic nephropathy and co-morbidities (hypertension and dyslipidemia) in Type 2 diabetes mellitus. *Br J Biomed Sci*. 2019.
- Pushpendra Pratap, Syed Tasleem Raza, Shania Abbas, **Farzana Mahdi**. MicroRNA-associated carcinogenesis in lung carcinoma. *Jr of cancer research and therapeutics*.2018; 14 (2): 249-254
- Saliha Rizvi, Syed Tasleem Raza, **Farzana Mahdi**, S.P Singh, Muneshwar Rajput, Qamar Rahman. Genetic polymorphisms in KCNJ11 (E23K, rs5219) and SDF - 1 β (G801A, rs1801157) genes are associated with the risk of type 2 diabetes mellitus. *British Journal of Biomedical Science*, DOI: 10.1080/09674845.2018.1473939
- Syed Tasleem Raza, Shania Abbas, Ale Eba. Fazal Karim, Irshad Ahmad Wani, Saliha Rizvi, Alina Zaidi, **Farzana Mahdi**. Association of COL4A1 (rs605143, rs565470) and CD14 (rs2569190) genes polymorphism with coronary artery disease. *Mol Cell Biochem* (2018).
- Raza ST, Shania A, Rizvi S, , fazal Q, **Mahdi F** Association of COL4A1 (rs605143, rs565470) and CD14 (rs2569190) genes polymorphism with Coronary Artery Disease", to *Molecular and Cellular Biochemistry*. **Molecular and Cellular Biochemistry 2018**; DOI: 10.1007/s11010-017-3257-9.
- Rizvi S, Raza ST, Rahman Q, **Mahdi F**. Mutation in the beta3 subunit of Guanine nucleotide-binding protein (GNB3) gene is not associated with Type II diabetes mellitus risk: A case-control study of a North Indian population. **Biomarker 2017**.
- Ishrat Husain, Rumana Ahmad, Tasleem Raza, **Farzana Mahdi**, Yogeshwer Shukla, Phytochemical Characterization and Biological Activity Evaluation of Ethanolic Extract of *Cinnamomum zeylanicum*. **Journal of Ethnopharmacology 2018**.
- Raza ST, Abbas S, Siddiqi Z, **Mahdi F**. Association between ACE (rs4646994), FABP2 (rs1799883), MTHFR (rs1801133), FTO (rs9939609) Genes Polymorphism and Type 2 Diabetes with Dyslipidemia. **International Journal of Molecular and Cellular Medicine 2017**.
- Raza ST, Rizvi S, **Mahdi F**.The relationship between Multidrug Resistance Protein 1(rs1045642) and Cholesterol 24-hydroxylase (rs754203) genes polymorphism with Type 2 Diabetes Mellitus. **British Journal of Biomedical Sciences 2016**; Br J Biomed Sci 74 (1), 30-35.
- Rizvi S, Raza ST, **Mahdi F**. Role of Gnb3, Net, Kcnj11, Tcf7l2 and Grl genes single nucleotide polymorphism in the risk prediction of type 2 diabetes mellitus. **3 Biotech** 2016 dec; 6(2): 255.
- Abbas S, Raza ST, Chandra A, Luxami S, **Mahdi F**. Association of FABP2 and FTO genes polymorphism with Primary Open Angle Glaucoma. **Taiwan Journal of Ophthalmology 2016**.
- **Mahdi F**, Syed Tasleem Raza, Saliha Rizvi, Shania Abbas, Ritu Karoli. Distribution of genetic polymorphisms in drug metabolizing gene Cytochrome P450 (CYP2C8*3

and CYP2C9*2) in a North Indian type 2 diabetes population. *Exploratory research & Hypothesis in Medicine* 2016 vol. 1 | 42-46

- Ale Eba, Syed Tasleem Raza, Saliha Rizvi, **Mahdi F.** *Micro-RNA's and their role in the pathogenesis of cervical cancer.* Middle East Journal of Cancer. 2016
- Anu Chandra, Shania Abbas, Syed Tasleem Raza, Luxmi Singh, Saliha Rizvi, **Farzana Mahdi** Polymorphism of CYP46A1 and PPAR γ 2 Genes in Risk Prediction of Primary Open Angle Glaucoma Among North Indian Population. Middle East Afr J Ophthalmol 2016;23:172-6.
- Syed Tasleem Raza, Saliha Rizvi, Luxmi Singh, Shania Abbas, Zeashan Haider Zaidi, **Farzana Mahdi.** PPAR- γ and CYP46A1 genes polymorphism is associated with Primary Open Angle Glaucoma (POAG) in hypertensive North Indians. Egyptian journal of medical human genetics. 2016. (doi:10.1016/j.ejmhg.2016.04.005)
- Pushendra Pratap, Syed Tasleem Raza, Shania Abbas, **Farzana Mahdi.** Micro-RNAs associated carcinogenesis in lung carcinoma. Journal of Cancer Research and Therapeutics. JCRT. 2016 (Available from: URL: <http://www.cancerjournal.net/preprintarticle.asp?id=187283;type=0>)
- Saliha Rizvi, Syed T. Raza, Zeba Siddiqi, Shania Abbas, and **Farzana Mahdi.** Association of Angiotensin-Converting Enzyme and Glutathione S-Transferase Gene Polymorphisms with Body Mass Index among Hypertensive North Indians. Sultan Qaboos Univ Med J. 2015 Nov; 15(4): e477–e485.
- Shania Abbas, Syed Tasleem Raza, Anu Chandra, Saliha Rizvi, Faisal Ahmed, Ale Eba, and **Farzana Mahdi.** Association of ACE, FABP2 and GST genes polymorphism with essential hypertension risk among a North Indian population. **Annals of Human Biology**, Posted online on October 30, 2014. (doi:10.3109/03014460.2014.968206)
- Rizvi S, Raza ST, **Mahdi F.** Association of genetic variants with diabetic nephropathy. *World J Diabetes* 2014; 5(6): 000-000 Available from: URL: <http://www.wjgnet.com/1948-9358/full/v5/i6/000.htm> DOI: <http://dx.doi.org/10.4239/wjd.v5.i6.000>
- **Mahdi F**, Raza ST, Faisal A. Empirical Approach towards Herbal Management of Diabetes. *Canad J Clin Nutr.* 2014; 2(2): 60-87. DOI: <http://dx.doi.org/10.14206/canad.j.clin.nutr.2014.02.06>
- Raza ST, Shania A, Absar A, Faisal M, Zaidi Z, **Mahdi F.** Association of Glutathione S Transferase (GSTM1 and GSTT1) and FTO genes polymorphism with Type 2 Diabetes mellitus cases among north Indian population. *Balkan Journal of Medical Genetics.* *Balkan J Med Genet.* 2014 Jun; 17(1): 47–54.
- Saliha Rizvi, Syed Tasleem Raza and **Farzana Mahdi.** Telomere Length Variations in Aging and Age-Related Diseases. 2015. *Current Aging Science.* DOI: 10.2174/1874609808666150122153151

- Saliha Rizvi, Syed Tasleem Raza, **Farzana Mahdi**. Association of genetic variants with diabetic nephropathy. *World J Diabetes* 2014; 5(6): 809-816. DOI: <http://dx.doi.org/10.4239/wjd.v5.i6.809>
- Chandra A, Raza ST, **Mahdi F**. Polymorphism of GST and FTO genes in risk prediction of cataract among North Indian population. *Ophthalmic Genetics* (PubMed; I.F-1.07). 2014; 1–6. (doi:10.3109/13816810.2014.907921).
- Rizvi S, Raza ST, Abbas S, Ahmed A, Ahmad F, **Mahdi F**. Role of Vitamin E in human health and diseases. *Sultan Qaboos University Med J*. 2014; 14(2):157-165.
- Abbas S, Raza ST, **Mahdi F**. Polymorphism of FABP2 and PPARG2 genes in risk prediction of Cataract among North Indian population. *Metagene*. 2014; 2:307–313.
- SK Thakur, K Jaggi, B Rathore, R Chandra, **F Mahdi** and A Mathur. Assessment of oxidative stress, antioxidant enzymes and lipid profile in subjects of coronary artery disease. (2014) *International Journal of Pharmaceutical Sciences and Research*. 5(7): 3042-3046.
- K Jaggi, SK Thakur, B Rathore, R Chandra, **F Mahdi** and A Mathur. Determination of antioxidant activity of *Crocus sativus* in adjuvant induced arthritic mice. (2014) *International Journal of Pharmacognosy*. 1(5):317-320.
- Abbas S, Raza ST, Ahmad F, , Zaidi ZH, **Mahdi F**. Association of Genetic polymorphism of PPAR γ -2, ACE, MTHFR, FABP-2 and FTO genes in risk prediction of type 2 diabetes mellitus. *Journal of Biomedical Science* (PubMed; I.F-2.46). 2013; 20:80 doi:10.1186/1423-0127-20-80.
- Raza ST, Jalees F, Ahmad F, Abbas S, Zaidi ZH, Singh S, **Mahdi F**. Association of Angiotensin converting enzyme (ACE) gene and Fatty acid binding protein 2 (FABP2) gene polymorphism in cases with type 2 diabetes mellitus in Northern India. *Journal of Renin-Angiotensin-Aldosterone System* (PubMed; I.F-2.286). 2013; 0(0):1–8. DOI: 10.1177/1470320313481082
- Raza ST, Abbas S, Ahmad F, Fatima J, Zaidi ZH, **Mahdi F**. Association of MTHFR and PPAR γ 2 gene polymorphisms in relation to type 2 diabetes mellitus cases Among north Indian population. *Gene* (PubMed; I.F-2.196). 2012; 511(2): 375–379. DOI: <http://dx.doi.org/10.1016/j.gene.2012.09.072>
- Husain R, Babu G, Raza ST, Naqvi H, Ahmad F, **Mahdi F**. Screening of the c-kit gene missense mutation in Invasive/Infiltrating ductal carcinoma of breast among north Indian population. *Molecular Biology Reports* (I.F-2.93). 2012. (DOI)10.1007/s11033-012-1786-6.
- Husain R, Naqvi H, Raza ST, **Mahdi F**. Methylenetetrahydrofolate reductase C677T genetic polymorphisms and risk of leukaemia among the North Indian population. *Cancer Epidemiology* (I.F-2.232). 2012; 36(4): e227-e231. doi:10.1016/j.canep.2012.02.008

- Husain R, Raza ST, Babu SG, Singh P, Naqvi H, **Mahdi F.** Screening of C-kit Gene Mutation in Acute Myeloid Leukemias in Northern India. *Iranian Journal of cancer prevention (I.F-0.018)*. 2012; 1:27-32.
- Kumar V, **Mahdi F.**, Chander R, Singh R, Mahdi AA, Khan na AK, Bhatt S, Kushwaha RS, Jawad K, Saxena JK, Singh RK. (2010) Hypolipidemic and antioxidant activity of *Anthocephalus indicus* (Kadam) root extract. *Indian J Biochem Biophys*. 47(2):104-9.
- Raza ST, Gulrej A, Sikandar H, **Farzana M.** Molecular Diagnosis of Tuberculosis: a new primer design. *Iranian Jr of Clinical and Infectious Disease*. 2009; 4(2):105-108.
- Khan M.I., Mahdi A. A., Islam N., **Bano F.**, Chander R., Goswami K.J. (2009) A study on plasma lead levels in painters and its association with anti-oxidant profiles. *Journal of Occupational and Environmental Hygiene* 13(1): 23-27.
- Tripathi S, Mahdi AA, Nawab A, Chander R, Hasan M, Siddiqui MS, **Mahdi F.**, Mitra K, Bajpai VK.(2009) Influence of age on aluminum induced lipid peroxidation and neurolipofuscin in frontal cortex of rat brain: a behavioral, biochemical and ultrastructural study. *Brain Res*.1253:107-16.
- S. T. Raza, Gulraiz Ali, Sikander Hasan, **Farzana Mahdi.** (2009) Molecular diagnosis of tuberculosis: a new primer Design *Iranian Journal of Clinical and infectious disease*. 4(2):105-108
- Kumar V, Singh P, Chander R, **Mahdi F.**, Singh S, Singh R, Khanna AK, Saxena JK, Mahdi AA, Singh VK. (2009) Hypolipidemic activity of *Hibiscus rosa sinensis* root in rats. *Indian J Biochem Biophys*. 46(6):507-10.
- Tripathi, S., Mahdi, A.A., Hasan, M., **Mahdi, F.**, Siddiqui, M.S., Chander, R., Mitra, K., and Bajpai, V.K. (2008). Influence of age on aluminum induced lipid peroxidation and neurolipofuscin in frontal cortex of rat brain: A behavioral, biochemical and ultrastructural study. *Brain Research*. 1253:107-16.
- Islam, N., Iqbal, J., Hasan, N., Fatima, Z., Thakur, H., Hasan, N., Mahdi, A.A., Khan, T., **Bano, F.**, and Ansari, I.A., (2008) Allicin from garlic suppresses TNF- α and augments IFN- γ expressions in monocyte cultures from patients with Vaginitis. *Nature Precedings* doi:10.1038/npre.2008.1560.1
- Mahdi AA, Annarao S., Tripathi S., Nawab A., **Mahdi F.**, Hasan M, Roy R., Khetrpal CL. (2008) Correlation of Age Related Metabonomic Changes in ¹H NMR Serum and Urine Profiles of rats with cognitive Function. *Open Magnetic Resonance*, (1) ; 71-76.
- Tripathi, S., Somashekar B.S., Mahdi, A.A., Gupta, A., **Mahdi, F.**, Hasan, M., Roy, R. and Khetrpal, C.L. (2008). Aluminum mediated metabolic changes in rat serum and urine: A proton NMR study. *J Biochem Molecular Toxicology*. 22 (2): 119-127.
- Chandra, A., Mahdi, A.A., **Mahdi, F.**, Singh, R.K., Chander, R. (2008) Effect of Indian herbal hypoglycemic agents on antioxidant capacity and trace element Levels diabetic rats. *Journal of Medicinal Food* 11 (3): 506-512.

- Kumar V., Singh S., Ashok Kumar Khanna, Mohammad Mubin Khan, Ramesh Chander, **Farzana Mahdi**, Jitendra Kumar Sexana, Ranjana Singh, Raj Kumar Singh. (2008) Hypolipidemic activity of *Anthocephalus indicus* (Kadam) in Hyperlipidemic rats: *Medicinal Chemistry Research*, Doi: 10.1007/s 00044-007-9045-4.
- Kumar V., Khan M.M., Khanna A.K., Singh S., Singh S., Chander R., **Mahdi F.**, Mahdi A.A., Saxena J.K., Singh R.K. (2008) Lipid lowering activity of *Anthocephalus indicus* root in Hyperlipidemic rats: Evidence based complimentary and alternative medicine, Doi: 10. 1093 /ecam /nen 001.
- Noor N., Islam N., Moin S., Mahdi A.A., Sapna Jaiswal, **Bano F.** (2008) Normal delivery induced stress alters glutathione peroxidase and TNF- α in elderly primigravidas mononuclear cells. *Indian Journal of clinical Biochemistry* 23(3):227-232
- Brijesh Rathore, **Farzana Mahdi**, Abbas Ali Mahdi. (2007) Complementary & alternative medicine: A new perspective in therapeutics. *SFRR Indian bulletin*, Vol 6, 30 -32.
- Rastogi SK, Kesavachandran C, **Mahdi Farzana**, Pandey Amit. (2007) Occupational Cancers in leather tanning industries. *Indian Journal of Occupational and Environmental Medicine*. 11: 3 - 5.
- Rastogi SK, Kesavachandran C, **Mahdi Farzana**, Pandey Amit. (2006) Phthalate exposure and health outcomes. *Indian Journal of Occupational and Environmental Medicine*. 10: 111-115.
- Mahdi, A.A., Singh, R.K., **Mahdi F.** and Jawad, K. (1994) Brain involvement in simian malaria: immune protection studies. *Biomedical Research*. (1) 83-88.
- **Mahdi, F.**, Mahdi, A.A., Singh, R., Singh, R.K. and Siddiqui, M.S. (1999) seminal lipids and lipid peroxide levels in infertile men. *Journal of Endocrinology and Reproduction*.3 (1) & (2): 20-28.
- Mahdi A.A., **Mahdi F.**, Singh R.K., Singh R., Siddiqui M.S. and Hasan M. (1999) Seminal plasma superoxide dismutase and catalase activities in infertile men. *Medical Science Research (U.K.)*. 27: 201-203.

17. Abstracts/Oral/Poster presentations:

More than 35 abstracts presented at various National and International Conferences.

18. Financial support received

- a) From the Ministry of Health & Family Welfare
- b) From other organizations

Past:

1. A study on the effects of some natural products on dysfunctional HDL during Diabetic dyslipidemia in rats". Sponsored by the Indian Council of Medical Research, New Delhi (2007-09).
2. Diabetic dyslipidemia and cardiovascular diseases: The possible role of Indian Herbal Medicine. DST, New Delhi
3. A Study on oxidative stress and anti-oxidative profile in arthritis patients. ICMR, New Delhi
4. A Study of the Neurotoxicity of Silica Nanoparticles in Different Regions of Rat Brain. UPCST
5. Association of osteoregulatory gene polymorphism in adjoining areas of Lucknow ICMR- ad hoc, New Delhi
6. Role of circulating micro-RNA's as a biomarker for Type II Diabetes Mellitus. (Extramural project- Uttar Pradesh Council of Science & Technology)

Present:

1. A study of the neurotoxicity of silica nanoparticles in different regions of rat brain" sponsored by Council of Science and Technology, U.P. (2009).
2. To study the anticancer activity of aqueous plant extracts on Breast cancer cell lines and expression of BRCA1, BRCA2, ATM, CHEK2 and TP53 genes. (ICMR, 2014)
3. Dissecting the role of CatSper ion channel genes in male fertility (DST, New Delhi)