

### **Prof. Abbas Ali Mahdi**

Prof. Abbas Ali Mahdi has been involved in research and teaching for the last more than 40 years and has over 650 publications (with over 28000 citations), including 32 book chapters, twelve books and guided twenty six Ph.D., four M.Phil. and over 200 MD/MS/MDS/DM students. Supervised over fifty research projects, including the prestigious DST – FIST and The World Academy of Science, Italy (TWAS) Projects.

Prof. Mahdi has received several Awards and recognitions for academic and research contributions, including D.Sc. (Honoris causa) from AIIMS, Bhopal, Fellowship of National Academy of Medical Sciences (India), Association of Clinical Biochemists of India and Indian Academy of Biomedical Sciences.

Prof. Mahdi has delivered over two hundred invited talks at various International/National institutions/conferences. Prof. Mahdi has been Editor-in-chief/Editor/Member Editorial Board of many International and National Journals and reviewer of innumerable national and international journals of repute. He has been examiner/expert for numerous national and foreign institutions, including those in Egypt, Israel, Saudi Arabia, Malaysia, Palestine, Iran and China.

Prof. Mahdi has been the President of four national scientific societies, namely Association of Clinical Biochemists of India, Indian Academy of Biomedical Sciences, Founder President, Indian Society of Critical Care Toxicology, 2018- and Founder President, Indian Society for Lead Awareness & Research and Vice – President of Association of Clinical Biochemists of India, Society of Free Radical Research, India, Indian Society of Chronomedicine.

#### **Contributions in Research:**

- Prof. Mahdi has made pioneering contributions in the area of natural products, metal toxicity and Free Radical Biology.
- Organized over three dozen National and International Conferences Seminars, Workshops and Symposia.
- Has made pioneering contributions in the area of Clinical Biochemistry, Metal Toxicity, Free Radical Biology and Patho-physiology of various diseases.
- Carried out in depth studies related to perturbation of antioxidant levels consequent to oxidative stress in seminal plasma of infertile men and showed remarkable amelioration by some herbal preparations.
- Studies by his group demonstrated significant improvement in sperm count and motility following inhibition of lipid peroxidation in seminal plasma by *Mucunapuriens* in male sterility.
- Studies further showed that treatment with *pruriens* and *Withaniasominifera* significantly ameliorated psychological stress, regulated steroidogenesis and improved semen quality in infertile men.

- Eye involvement in cerebral malaria was reported by his group way back in 1989 and now malarial retinopathy is essential part of diagnostic criteria for Cerebral Malaria.
- Extensive studies on possible association of aluminum with Alzheimer's disease have demonstrated that Al may be linked with neurolipofuscinogenesis, mitochondrial and endoplasmic reticulum stress and these changes may be responsible for the development of age related disorders, such as Alzheimer's disease.
- Explored metabolomics to study many diseases, including essential hypertension, metal toxicity and male infertility.
- Have carried out extensive studies and awareness programs across the country on lead toxicity.
- Attended over 250 national and international conferences in India and abroad including Germany, France, The Netherlands, Belgium, China, Thailand, Mauritius, Iran, Iraq, Saudi Arabia, U.A.E., Barbados, etc. and delivered over 200 lectures.
- Organized over three dozen National and International Conferences, Seminars and Symposia, including the prestigious SFRR – India (2003), SFRR – India (2009), IABSCON-2012 and IABSCON-2013, ACBICON-2017, IABSCON-2022. These conferences were attended by large number of Indian and foreign delegates.
- **Public Awareness:** Work widely covered by Print and Electronic Media, including Doordarshan, All India Radio, BBC London, NDTV, Zee News, India TV, AajTak, Times of India, Hindustan Times, Indian Express, India Today, Amar Ujala, DainikJagran, Hindustan, Telegraph, Gulf News, etc.

#### **Administrative Experience:**

- First Vice Chancellor of Era University, Lucknow (2017 – 2019, 2023-)
- Head, Department of Biochemistry, King George's Medical University, Lucknow, (2010 – 2017, 2019 – 2023).
- Chief Proctor, King George's Medical University, Lucknow, 2009 – 2014.
- Medical Superintendent, Gandhi Memorial Hospital, King George's Medical University, Lucknow, 2020.
- Controller of Examinations, King George's Medical University, Lucknow, November 2020 – 2023.