



Dhurjati Majumdar was born in Kolkata (Calcutta), India on 1st February, 1956. He completed his B. Sc (1978) and M Sc (1980) in Physiology with specialisation in Ergonomics and Work physiology from Calcutta University, India. He was awarded the Ph D degree in Physiology from Calcutta University in 1991. His Ph D thesis was on "Ergonomics, occupational health and safety studies in Jute industries in India". He worked as a Research Associate in the Industrial Management and Engineering Program, Indian Institute of Technology (IIT), Kanpur during 1985-86 and then served as Asst. Director, Central Labour Institute, Mumbai, Min. of Labour, Govt. of India from 1986 to 1988.

He conducted several studies on occupational health and safety, training programs and consultancy studies on the "Effects of heat, noise and ergonomic issues on the health and performance of industrial workers" in various industries in India. He joined the Defence Institute of Physiology and Allied Sciences (DIPAS), DRDO, Min of Defence. Govt. of India, Delhi in 1988 as Scientist-'B' and has been promoted up to the level of Scientist-'G' (Director grade). At DIPAS (1988-2015), he conducted researches on acclimatisation and the improvement of human performance at Antarctica, at high altitude, in the desert and in the jungle environments. He initiated the research on Polar Medicine in India and established the Ergonomics laboratory at DIPAS, Delhi with the state of the art facilities and carried out studies on physiology of exercise, biomechanics, cognition, design and standardisation of load carriage. He started the first 3D motion analysis laboratory in India for experimenting on gait, kinematics, kinetics and EMG. He conducted several studies on the design of various military hardware and software by using 'Human modelling and simulation' facility in VR environment. His contribution to cognitive ergonomics e.g. onscreen use of various types and sizes of fonts, character and background colour, arrows in searching task have been published in the peer reviewed international journals. He has studied the onscreen reading performance on the use of vernacular, Hindi and English on ten different language speaking population of India. He contributed in the design and development of MBT 'ARJUN', Light Combat Aircraft 'TEJAS', etc. for Indian Army. He has published series of papers in the Ergonomics, International J of Industrial Ergonomics and other peer reviewed international and national journals. He is reviewer of most of the international journals in the area of Ergonomics in the world. He has got wide experience of teaching in the areas of Human physiology, Environmental physiology, Exercise physiology, Ergonomics and Human Factors in design and performance in several universities, IITs, NITs and other reputed academic institutes in India.