



Biography

Dr. Merah is a Professor in the Department of Mechanical Engineering and Director of the Center of Excellence for Scientific Research Collaboration with MIT at King Fahd University of Petroleum & Minerals (KFUPM), Dhahran, Saudi Arabia. He obtained his Ph.D. in Mechanical Engineering from Ecole Polytechnique (EPM), University of Montreal, Canada and his BSc. and MSc. in Mechanical Engineering from The University of Tulsa, OK, USA.

During his academic career, he has held several administrative positions ranging from Lab Director to Director General of a National Institution. Dr. Merah has developed and taught a number of courses and labs at the graduate and undergraduate levels at the University of Batna, KFUPM, EPM and UQAM. He has also supervised a large number of Senior Design, MSc, and PhD students.

His research interests are in multidisciplinary design, fracture mechanics and nanocomposite materials synthesis and characterization. His research work has been largely funded by industry and national and international research organizations and institutions in Algeria, USA, Canada and Saudi Arabia. Dr. Merah has also worked as design and simulation Engineer at Burtek Inc. USA.

His research work contributed more than 150 scholarly publications, 13 US patents and patent applications as well as a large number of manuals and technical reports. Two of his inventions have reached TRL 5 and are being commercialized by RTI, International, USA. Dr. Merah has been a lead technical editor for 2 AJSE special issues in fracture mechanics and a member of the editorial board of IJAME. He has also actively participated in organizing several international conferences and workshops.

His innovative research contributions and excellence in teaching and advising have been recognized by a number national and international awards.