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Dr. Hadj Meliani is an Associate Professor, HDR, at the University Hassiba benbouali of Chlef in Algeria. He obtained his PhD from Mohamed Bouadiaf University, Oran (2010), Algeria and he was Doctor and Assistant Professor at the Paul Verlaine University of Metz, France (2009). Magister in Mechanics (2003) and Mechanic Engineer (1996) on the University of Chlef. Dr. Hadj Meliani is training assistant and Researcher on the Laboratory for theoretical Physics and Materials Physics (LTPM) at the University of Hassiba benbouali of Chlef and invited Researcher (European Project contract-Naturalhy) at the University of Metz ENIM-LaBPS, France. His research work is mainly concerned with the Mechanical and metallurgical characterization of materials, fatigue-corrosion, constraint effects, calculation of the structures in fracture, reliability of structures, Gas pipelines failure assessment using SINTAP procedure and notched fracture mechanics, Hydrogen embrittlement of API X52 gas pipelines including the external gouges and scratches, Fatigue test design for the API X52 gas pipeline specimens. He has published more than 22 scientific papers, most of them in international books and journals and the author of more than 70 papers, presentation at different national and international conferences, events. He is the Chairman of the International Conference on Fracture Mechanics, FRACT, how take place every two years in Chlef University.