



## Dr. Mohamed K. Abbas

### PhD Research Assistant

Dr. Mohamed Abbas, a Research Assistant at the Center for Advanced Materials (CAM) at Qatar University, had obtained his PhD degree in Materials Engineering from the University of Malaya in Malaysia. His doctoral field of study involved the effect of sintering technologies and additives on the densification and mechanical properties of advanced ceramic materials for biomedical and structural applications. Prior to joining the Center for Advanced Materials (CAM), Qatar University, Dr. Abbas had worked in academia and industry for nearly 13 years. He worked on various projects and research related to materials science and manufacturing processes. He also participated in many projects funded by the Qatar National Research Fund (QNRF), Qatar University, and industry sector, with total grants exceeding 2M\$. These projects have focused on: fatigue analysis of conventional materials, mechanical designs, failure analysis for oil and gas applications, composite materials, nanocomposite, finite element simulation, impact mechanics, and design of pressure vessels and piping. The research work of Dr. Abbas has been published in high-impact journals. In addition, Dr. Abbas has participated in many international conferences. He had been selected as a reviewer for many international journals. Moreover, Dr. Abbas co-supervised several bachelor's and master's students in several Malaysian universities. His current research focuses on the synthesis and characterization of advanced materials for biomedical and structural applications and on the fabrication and characterization of metals and alloys for various applications.

Google Scholar: <https://scholar.google.com/citations?user=SWio-DQAAAAJ&hl=en>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=24476291800>

ResearchGate: [https://www.researchgate.net/profile/Mohamed-Abbas-16?ev=hdr\\_xprf&\\_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6ImhvWUilLCJwYWdlIjoiaG9tZSI6bnBvc2I0aW9uIjoiZ2xvYmFsSGVhZGVyIn19](https://www.researchgate.net/profile/Mohamed-Abbas-16?ev=hdr_xprf&_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6ImhvWUilLCJwYWdlIjoiaG9tZSI6bnBvc2I0aW9uIjoiZ2xvYmFsSGVhZGVyIn19)

16?ev=hdr\_xprf&\_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6ImhvWUilLCJwYWdlIjoiaG9tZSI6bnBvc2I0aW9uIjoiZ2xvYmFsSGVhZGVyIn19