Brief CV

Name	WAN FAHMIN FAIZ	中文名	-NA-	PHOTO
Gender	MALE	**Title** (Pro./Dr.)	DR	
Position （President…）	SENIOR LECTURER	**Country**	MALAYSIA	

University/ Department	UNIVERSITI TEKNOLOGI MALAYSIA / DEPT. MATERIALS, MANUFACTURING AND INDUSTRIAL ENGINEERING, FACULTY OF MECHANICAL ENGINEERING
Personal Website	HTTP://MECH.UTM.MY/WANFAHMINFAIZ
Research Area	Solid state reaction, dielectric resonator antenna, microwave sintering

Brief introduction of your research experience:

After graduated as a young scholar, I had the opportunity to work as a researcher at PETRONAS University of Technology (UTP), one of the prestigious institution in Malaysia. However, the research field that related to oil recovery totally deviated from my major field. Went through that, I have realized that research world needs someone who is dynamic and can quickly adapt to changes. Therefore, I always work extra miles in order to be a successful and decent researcher. With less than 6-month working at UTP, I managed to design a small-scale water flooding system for better understanding on how oil can be recovered from 1000 ft under the sea water. At the same time, I was working on the evaluation of adsorption energy on hematite nanowires using Materials Studio Software (Accelrys). Nevertheless, I quit the project after I got an offer for a permanent post as a lecturer at Universiti Teknologi Malaysia (UTM); one of the leading research university in Malaysia. At UTM, my research area started to diversified into i) dielectric materials for wireless communication. CST suite studio has been used to optimize the DRA performance before tested on the actual field ii) hot-dip galvanization where interfacial reaction between steel wire rod and Zn-Al molten metal become primary concern; this will lead to the kinetics of corrosion investigation and performance reliability of the materials and iii) working on metal casting area in understanding the solidification behavior of magnesium alloys that will influence the improvement of the design. CAE software such as AnyCASTING also is utilized to further studies on the defect formation.

*****All the columns need to be filled in.