


## Brief CV

<b>Name</b>	Nur Farhana Diyana Mohd Yunos	中文名		
<b>Gender</b>	Female	<b>Title</b> (Pro./Dr.)	Dr.	
<b>Position</b> (President...)	Senior Lecturer	<b>Country</b>	Malaysia	
<b>University/ Department</b>	School of Materials Engineering, Universiti Malaysia Perlis (UniMAP)			
<b>Personal Website</b>	<a href="https://materials.unimap.edu.my/index.php/staff/lecturers">https://materials.unimap.edu.my/index.php/staff/lecturers</a>			
<b>Research Area</b>	Extraction of minerals ore using agricultural waste			

### Brief introduction of your research experience:

My main research interests are in fundamental and applied in iron reduction processes such as reducing CO<sub>2</sub> emission in steelmaking and functionalized activated carbon from agricultural wastes. I am particularly interested in converting this waste into renewable carbon and energy resources for replacing conventional material from coal/coke. This investigation aims to reduce (i) the waste in the landfills, (ii) cost and energy consumption, (iii) gas (CO<sub>2</sub>) emissions. I am Principal Investigator of three research projects funded by government bodies (Fundamental Research Grant Scheme) and supervising two PhD students. Recently, I have developed a new technique called 'plasma pyrolysis' to produce new carbon materials. I have published two papers on producing activated carbon by using pyrolysis and combustion methods for controlling slag foaming in Energy and Fuels. The research in CoE Frontier Materials Research focused on renewable materials used for lithium batteries, biocompatible, solar hydrogen, and advanced metals that are aligned with the industrial needed. School of Materials Engineering received a funded grant from Ministry of Higher Education Malaysia and industrial collaboration such as Kobe Sdn Bhd on metals extraction and alloying in depth on the effect of corrosion with an amount of RM 2 million in last two years.

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