

BRIEF CV



Dr. Che Nor Aiza Bt. Jaafar
Department of Mechanical and Manufacturing
Engineering, Universiti Putra Malaysia, 43400
UPM, Serdang,
MALAYSIA
Tel : 03 89464379
Fax : 03 86567122
E-mail : cnaiza@eng.upm.edu.my



Areas of interest: Metallurgy, ceramic and composite materials.

Academic Qualification:

- 2011: PhD in Metallurgy.
School of Materials and Mineral Resources Engineering,
Universiti Sains Malaysia (USM)
- 2000: MSc (E&D) in Metallic and Ceramic Materials.
Materials Science Centre,
University of Manchester and UMIST,
United Kingdom.
- 1996: BSc (Hons) in Materials Science.
Universiti Kebangsaan Malaysia (UKM).

Professional Qualification/ Membership/ Affiliation:

Membership of Electron Microscopy Society of Malaysia (EMSM)

Appointments:

Senior Lecturer

Area of interests :

Metallurgy, ceramic and composite materials

Research Topics (Project Leader);

Recycle of aluminum beverage can for potential biomedical device applications.

Student Supervision

Final Year Project:

1. Effects of PVA and PEG binders on microstructural and mechanical properties of sintered alumina.
(Muhammad Ikhwan Bin Ayub - 153657)
2. Effects of Si and temperature on ageing response of three Al-Mg-Si alloys.
(Riedzwan Azrie Bin Suhaimie - 154345)

Research Products/ patent:

-

Publications:

1. Aiza C.N., Azmi R., Zuhailawati, H and Ismail Z, (2011). Effect of Mg, Si and Cu content on the microstructure of dilute 6000 series aluminium alloys. *Journal of Alloys and Compounds*. 509, p. 8632-8640.
2. Aiza C.N., I. Zainol and M. H. Saleh. (2011). The effect of Si and Cu Contents on Ageing Behaviour and Microstructure in Over-Aged Aluminium Alloys 6061 and 6070. *Malaysian Journal of Microscopy*.7, p. 210-215.
3. Aiza C.N., Azmi R., Azizan, A. and Zuhailawati, H. (2010). A hardness and TEM studies of precipitate in dilute Al-Mg-Si alloys. *Malaysian Journal of Microscopy*. 6, p. 96-102.
4. Aiza C.N., Lorimer G.W and Parson N.C. (2006). The effect of composition and temperature on the ageing response of some dilute 6xxx series alloys, *Material Science Forum*, 519-521, p. 227-232.
5. Aiza C.N., Azmi R., Ismail, Z and Zuhailawati, H. (2012). Effects of composition on the mechanical properties and microstructural development of dilute 6000 series alloys. *Journal of Applied Science*, 12. p. 775-780.

Awards & Recognitions:

1. Won Best Micrograph (Physical Science Category-TEM Microscope). 19th Scientific Conference of Electron Microscopy Society of Malaysia 2010 (EMSM 2010).
2. Won Best Micrograph (Physical Science Category-Light Microscope) in the 19th Scientific Conference of Electron Microscopy Society of Malaysia 2010 (EMSM 2010).
3. Won Poster Competition (3th prize), The effect of composition on the ageing response of 6000 series alloys, May 2004, School of Materials Science Centre, University of Manchester, UK.
4. Won Best Micrograph (Physical Science Category-TEM Microscope). 21th Scientific Conference of Electron Microscopy Society of Malaysia 2012 (EMSM 2012).

Professional Training Attended

-