

CURRICULUM VITAE

1.0 PERSONAL PARTICULARS

Name : Suhaina Ismail
Home address : No 22, Lintang Ilmu 1, Taman Ilmu, 14300 Nibong Tebal,
Pulau Pinang.
Date of Birth : 07th. October 1978
Tel : 019-4778067
E-mail : suhaina@usm.my
Gender : Female
Nationality : Malaysia
Marital status : Married



2.0 ACADEMIC AND PROFESSIONAL QUALIFICATIONS

Year	Degree	Discipline	University
2001	B.Eng.	Mineral Resources	Universiti Sains Malaysia
2005	MSc.	Mineral Resources	Universiti Sains Malaysia
2014	PhD	Mineral Resources (Extractive Metallurgy)	Universiti Sains Malaysia

3.0 TITLES OF POSTGRADUATE THESES

Degree	Title
PhD	Reductive Leaching Of Low Grade Manganese Ore Using Bamboo Sawdust
MSc.	Synthesis and Characterization of Zeolite from Fly ash

4.0 WORKING EXPERIENCE

Year	Position	Field of Work	Place of Work
October 2013-till present	Attachment	Mineral Resources	PPKBSM, USM
November 2007-July 2008	Research Officer	Metallurgy-Titanium	PPKBSM, USM
November 2006	Research Officer	Ceramic –Alumina Fiber	PPKBSM, USM
Jan- April 2006	Tutor	Physical Chemistry and Introduction to Laboratory	OUM, Seberang Jaya, Penang.
April 2004-2005	Research Officer	Hydro-electrometallurgy of Zinc	PPKBSM, USM
Jan –April 2005	Tutor	Physical Chemistry	OUM, Seberang Jaya, Penang.
2005	Temporary Teacher	Biology and Chemistry	Sek. Men. Keb. Krian, Parit Buntar, Perak.

5.0 LANGUAGES

Bahasa Malaysia and English

6.0 COMPUTER LITERACY

- Statistical Software -Minitab 16 and Expert Design (Expert)
- Modeling Software- Mat Lab (Intermediate)
- Phase Analysis -X'pert High Score Plus (Intermediate)
- Phase Analysis –Siroquant (Intermediate)

7.0 RESEARCH AND PUBLICATION

7.1	<p>Research Grant (as Project Leader) Leaching Studies of local Manganese Ore, USM Postgraduate Research Grant Scheme (USM-PRGS), RM 16, 000, No.Akaun: 1001/PBAHAN/8042008, I July 2009-30 Jun 2012.(Completed).</p>
7.2 a)	<p>Research Publication Journal <i>Citation Indexed Journal</i></p> <p>Suhaina Ismail, Syed Fuad Saiyid Hashim, Hashim Hussin, Norazharuddin Shah Abdullah* (2014), Leached Residue Characterization of Manganese-Bamboo Saw Dust Blend: An X-Ray Diffraction Study. <i>Advanced Materials Research</i>, Vol. 1087, pp. 370-373.</p> <p>Ismail, S., Abdullah, N.S., Hussin, H. and Saiyid Hashim, S.F., 2013. Bamboo Sawdust as A Reducing Agent In Leaching Applications: Characterisation Studies. <i>Advanced Materials Research</i>, Vol. 620, pp. 405-411.</p> <p>Suhaina Ismail, Syed Fuad Saiyid Hashim, Hashim Hussin, Norazharuddin Shah Abdullah* (2014), Characterisation of Malaysian Low Grade Manganese Ore. <i>The Canadian Journal</i>. Under reviewed.</p>
b)	<p>Proceeding International</p> <p>1. Suhaina Ismail,* Norazharuddin Shah Abdullah, Sivakumar Ramakrishnan, Hashim Hussin, Syed Fuad Saiyid Hashim. Leaching and kinetic modelling of Malaysian Low Grade Manganese ore in Sulphuric acid. Advanced Materials Conference 2014, Langkawi, Malaysia, 25/11/2014 - 26/11/2014. (Poster presentation)</p> <p>2. Suhaina Ismail,* Norazharuddin Shah Abdullah, Sivakumar Ramakrishnan, Hashim Hussin, Syed Fuad Saiyid Hashim. Leaching Of Low Grade Manganese Ore Using Bamboo Saw Dust As Reducing Agent: An Optimization Study Using Response Surface Methodology. <i>3rd. International Conference on the Advancement of Materials and Nanotechnology (ICAMN)</i>, Park Royal Penang Resort, Penang, Malaysia. 20-22 November 2013. (Poster Presentation)</p>

	<p>3. Ismail, S., Abdullah, N.S., Hussin, H. and Saiyid Hashim, S.F., Characterisation of Bamboo Sawdust as a Source of Carbohydrate for Leaching Application. <i>International Conference on X-rays and Related Techniques in Research & Industry</i>. Vistana Hotel, Penang, Malaysia. 3-5 July 2012. (Poster presentation)</p> <p>4. Ismail, S., Hussin, H. and Saiyid Hashim S.F. and Kamaruddin, K.A., 2011. Reductive Acid Leaching of Low Grade Manganese Through Factorial Design. <i>5th International Workshop and Conference on Earth Resources Technology</i>. Ipoh, Malaysia. 10-12 May 2011. (Oral Presentation)</p> <p>5. Ismail, S., Zainol, Z., Hussin, H. and Saiyid Hashim, S.F., 2009. Study on Mineral Liberation of Local Low Grade Manganese Ore. <i>4th International Conference on Recent Advances in Materials, Minerals & Environment</i>. Penang, Malaysia. 1-3 June 2009. (Oral Presentation)</p> <p>National</p> <p>1. Abdullah, N.S., Ismail, S., Mohd Rozali, M.F.H. and Nasir, N., 2012. Recovery of Manganese from Local Low Grade Manganese Ore: Preliminary Leaching Studies. <i>21st EMSM Scientific Conference</i>. Kota Baharu, Malaysia. 22-24 November 2012. (Poster Presentation).</p> <p>2. Ismail, S., Zainol, Z., Hussin, H. and Saiyid Hashim, S.F., 2010. Leaching of Low Grade Manganese Ore Using Bamboo Dust as A Reductant: Effect Of Acid Concentration and Amount Of Bamboo. <i>3rd Regional Conference Interdisciplinary Research and Natural Resources and Materials Engineering</i>. Langkawi, Malaysia. 25-26 October 2010. (Poster Presentation).</p> <p>6. Ismail, S., Zainol, Z. and Ling, L.P., 2010. Preliminary Study of Reductive Leaching of Manganese from Low Grade Manganese Ore. <i>4th Colloquium on Postgraduate Research: National Colloquium on Materials, Minerals and Polymers</i>. Penang, Malaysia. 27- 28 January. 2010. (Oral Presentation).</p> <p>7. Ismail, S., Zainol, Z., Hussin, H. and Saiyid Hashim, S.F., 2008. Mineralogical Characterization of Local Manganese Ore. <i>17th EMSM Scientific Conference</i>. Shah Alam, Malaysia. 18-20 Disember 2008. (Oral Presentation)</p> <p>8. Suhaina Ismail, Norlia Baharun, 2004. Synthesis of Zeolite from PFA. 2nd. Colloquium on Materials, Minerals and Polymer. Vistana Hotel, Penang. 7-8 October 2008. (Oral Presentation).</p>
7.3	<p>Poster Presentation Award</p> <p>1. Best Poster Presentation, Leaching and kinetic modelling of Malaysian Low Grade Manganese ore in Sulphuric, 2nd. Advanced d Materials Conference, 2014, KSL, Hotel, Johor Bharu, 11/8/2014- 13/8/2014.</p> <p>2. Best Poster Presentation, Leaching Of Low Grade Manganese Ore Using Bamboo Saw Dust As Reducing Agent: An Optimization Study Using Response Surface Methodology. <i>3rd. International Conference on the Advancement of Materials and Nanotechnology (ICAMN)</i>, Park Royal Penang Resort, Penang, Malaysia. 20-22 November 2013.</p>

	3. Best Poster Presentation, Leaching of Low Grade Manganese Ore Using Bamboo Dust as A Reductant: Effect Of Acid Concentration and Amount Of Bamboo. <i>3rd Regional Conference Interdisciplinary Research and Natural Resources and Materials Engineering</i> . Langkawi, Malaysia. 25-26 October 2010.
7.4	<p>Research Innovation Award</p> <p>4. Hadiah Sanjungan 2007, Universiti Sains Malaysia. Kategori Produk Penyelidikan. Role: Co-researcher, Malaysia Technology Expo 2006, Title: Single Step and cost Effective Alumina Fibre</p> <p>Dr. Hasmaliza Mohamad, Prof. Ahmad Fauzi Mohd. Noor, Prof. Zainal Arifin Ahmad, Suhaina Ismail.</p>

8.0 TEACHING

8.1 UNDERGRADUATE TEACHING

1. Minerology ,EBS209
2. Mining Engineering Laboratory ,EBS210
3. Hydrometallurgy ,EBS315
4. Pyrometallurgy ,EBS323
5. Mineral Chemistry Laboratory ,EBS325
6. Analytical Chemistry ,EBS336
7. Mineral Processing Laboratory ,EBS341
8. Mine And Plant Design ,EBS423
9. Environmental Chemistry For Engineering Practice ,EBS432

8.2 UNDERGRADUATE TUTOR AND LAB DEMONSTRATOR

1. Mineral Chemistry Laboratory, EBS 325/2, Semester 1, 2002.
2. Mineral Processing Laboratory (Experiment 8), EBS 341/2, Semester II, 2006.
3. Engineering Material, EBB 113/3, Semester 1, 2013.
4. Mining Engineering Laboratory (Experiment 9), EBS 210/2, Semester II, 2014.
5. Mineral Processing Laboratory (Experiment 8), EBS 341/2, Semester II, 2014.
6. Physical Chemistry of Engineering Materials, EBB 160/3, Semester II, 2014.
7. Hubungan Etnik, SHE 101/2, Semester II, 2014.
- 8.

8.2 UNDERGRADUATE SUPERVISION

1. Nurhidayah Abdul Mutalib, 2014, Reductive leaching studies of low grade pyrolusite with glucose in H₂SO₄
2. Nurhaya Laming Ramin, 2014, Phsico-chemical characterization of low grade manganese
3. Ayu Rohaiza Sudirman, 2014, Removal of arsenic from wastewater using low cost adsorbent

4. Sekumpulan pelajar, 2014, Kursus hubungan etnik (SHE 101/2)

9.0 SEMINARS/WORKSHOP/ SHORTCOURSES

1. Participant, Seminar Active Learning Practise-Sharing and Coaching, Bilik Seminar, PPK USM, 10 April, 2014.
2. Participant, Seminar Pengaharan CDAE 2014, Dewan Pembangunan Siswa, Kampus Induk USM, 21 March 2014.
3. Participant, Seminar on Particle Size Analyzer, Seminar Room PPKBSM, 14 Feb. 2014.
4. Participant, Seminar A New Culture of Learning and Teaching, Dewan Budaya , Kampus Induk USM, 31 Oktober 2013.
5. Participant, Bengkel OBE-Fasa II"Embracing the Outcomne Based Education". 20 Nov. 2013.
6. Participant, Workshop on Materials Characterization, Vistana Hotel, Penang, 5th July 2012.
7. Participant, Statistical & Experimental Design, PPKBSM, 12-13 July 2011.
8. Participant, Workshop on Design of Experiment, School of Industrial Technology, USM, 19-20 July 2010
9. Participant, Workshop on X'pert High Score Plus XRD software, PPKBSM, USM, 1-3 Feb. 2010.
10. Participant, Seminar on Interpersonal Skills, Auditorium USM, 11 August 2009.
11. Participant, Workshop on Quantitative XRD analysis, PPKBSM, USM, 23 June 2009.
12. Participant, Occupational Safety and Health Course for Post Graduate Students, Auditorium Hall, Engineering Campus, 28 February 2009
13. Participant, Kursus Kaedah Penyelidikan, Dewan Persidangan Universiti, 4-16 Disember 2006.
14. Participant, Minggu Q dan Penghargaan Staf PPKBSM 2002/2003, Bilik Multimedia PPKBSM, 30 Julai 2003
15. Participant, The sample Preparation & microstructural analysis Workshop, PPKBSM, 17-18 October 2002.
16. Participant, Seminar on Research Methodology and Thesis Writing, Kompleks Dewan Kuliah, USM, 16 October 2002.
17. Participant, Introduction to Matlab, Computer Center, USM, 29-30 April 2002.

10.0 SERVICE TO THE UNIVERSITY

1. **Poster Judge.** 3rd. *International Conference on the Advancement of Materials and Nanotechnology (ICAMN)*, Park Royal Penang Resort, Penang, Malaysia. 20-22 November 2013.
2. **School Committee**, *Shourt Course on Statistical & Experimental Design*, School of Materials and Mineral Resources Engineering, 12-13 July 2011.
3. **Poster Judge**, *Pembentangan Poster Latihan Industri 2006*, School of Materials and Mineral Resources Engineering, 2 August 2006.
4. **School Committee**, Treasurer, Postgraduate Society, 2002-2003, School of Materials and Mineral Resources Engineering.

11.0 SERVICE TO COMMUNITY

1. Panel Penasihat Kesihatan, Bukit Panchor. ,Program bersama prihatin mengutamakan kesihatan untuk kesejahteraan.,8/11/2014- 8/11/2014, National
2. Committee Committee ,Kampus Sejahtera, PPKBSM,2/1/2014- 2/1/2016, National
3. Committee Committee ,Innovative Science Camp 2014,27/9/2014- 27/9/2014, National
4. Others Others ,Upacara Konvokesyen ke-50 Universiti Sains Malaysia,8/11/2014- 8/11/2014, National
5. Others Others ,Poster presentation Pelajar Latihan Industri,15/10/2014- 15/10/2014, National

6. Others Others ,Program Tadarus Al-quran PPKBSM,7/10/2014- 31/10/2014, National

Invited Speaker

Sokongan Penyusuan Susu Ibu: Dampingi Ibu , Sambutan Mingguan Penyusuan Susu Ibu Sedunia 2013, Klinik Kesihatan Bukit Panchor, 2013, Peringkat Daerah Seberang Prai Selatan.

Award

Ibu Contoh, Klinik Kesihatan Bukit Panchor, 2013, Peringkat Daerah.

11.0 REFEREES

Prof. Madya. Dr. Hashim Hussin
School of Materials and Mineral Resources Engineering
Engineering Campus, Universiti Sains Malaysia
14300 Nibong Tebal,
Pulau Pinang.

Dr. Norazharuddin Shah Bin Abdullah
School of Materials and Mineral Resources Engineering
Engineering Campus, Universiti Sains Malaysia
14300 Nibong Tebal,
Pulau Pinang.

Dr. Norlia Baharun
School of Materials and Mineral Resources Engineering
Engineering Campus, Universiti Sains Malaysia
14300 Nibong Tebal,
Pulau Pinang.