

CURRICULUM VITAE

Personal Details

Name : Syazana binti Ahmad Zubir
Current Position : Lecturer DS51
Date Joined : 14th April 2014
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Qualifications

2009-2014: Doctor of Philosophy (Materials Science), Universiti Kebangsaan Malaysia
Thesis title: Effect of Nanoclay and Carbon Nanotubes on Shape Memory Polyurethane based on Palm Oil Polyol
2005-2009: Bachelor of Engineering (Materials) (Honours), International Islamic University Malaysia.
Final year project title: Development of Hydroxyapatite for Bioactive Bone Implant Materials using Seashell Waste

Publications

1. Zubir, S.A., Ali, E.S., Ahmad, S., Zain, N.M. & Soo, K.W. 2012. Polyurethane/ clay shape memory nanocomposites based on palm oil polyol: *Advanced Materials Research*, 576: 236-239.
2. Zubir, S.A., Ahmad, S. & Ali, E.S. 2012. Palm oil polyol/ polyurethane shape memory nanocomposites: *Applied Mechanics and Materials*, 291-294: 2666-2669.
3. Ali, E.S., Zubir, S.A. & Ahmad, S. 2012. Clay reinforced hyperbranched polyurethane nanocomposites based on palm oil polyol as shape memory materials: *Advanced Materials Research*, 548: 115-118.
4. Zain, N.M., Ahmad, S., Ali, E.S., Zubir, S.A. & Ahad, N.A. 2012. Characteristics of hydrolysis resistant polycaprolactone/ palm kernel oil based polyol: *Advanced Materials Research*, 576: 334-337.
5. Soo, K.W., Ahmad, S., Zubir, S.A. 2012. Synergism between flame retardant and phosphonium salt modified layered silicate on properties of rigid polyurethane foam nanocomposites: *Advanced Materials Research*, 501: 8-12.

Seminar/ Workshop/ Short Courses

1. Seminar on "How to Get Publish in Higher Impact Factor Journal?", 24th March 2014, School of Materials and Mineral Resources Engineering, Universiti Sains Malaysia.
2. GoE Technical Talk- Importance in Solid Phase Separation for Establishing Sustainable Environmentally-Sound Material Cycle Society, 13th February 2014, School of Materials and Mineral Resources Engineering, Universiti Sains Malaysia.
3. Seminar on "Particle Size Analyzer", 14th February 2014, School of Materials and Mineral Resources Engineering, Universiti Sains Malaysia.
4. UKM-FLINDERS Nanotechnology Summer School 2013, 24th – 27th June 2013, School of Applied Physics, Universiti Kebangsaan Malaysia.
5. Workshop on Writing and Publishing "Secrets of Successful Journal Writing and Publication Revealed", 20th December 2010, Dewan Kuliah Pusat 3, Universiti Sains Islam Malaysia.
5. Workshop on "Research Methodology", 7th - 11th December 2009, Kompleks EUREKA, Universiti Sains Malaysia.
6. Computing Technology Industry Association (CompTIA A+) Certification Programme, 21th November – 5th December 2008, Universiti Islam Antarabangsa Malaysia.

Teaching and Supervision

(a) Teaching Undergraduates

1. EBB 113/3- Materials Engineering
Semester 1 (2014/2015), 1st year, 6 lecturers, 394 students.
2. EBB 250/2- Computer Methods for Engineer
Semester 1 (2014/2015), 2nd year, 12 lecturers, 126 students.
3. EBB 427/3- Technology and Application of Engineering Polymer
Semester 1 (2014/2015), 4th year, 3 lecturers, 36 students.
4. EBB 155/2- Engineering Materials Introductory Laboratory
Semester 1 (2014/2015), 1st year, 12 lecturers, 48 students.

(b) Graduate Supervision (On-going)

Undergraduate

1. Tuan Nur Izzah Bt. Tuan Ab Rashid, Title: Muscovite reinforced shape memory polyurethane nanocomposites based on palm oil polyol.
2. Look Hong Jun, Title: Rigid palm oil polyol based polyurethane foam reinforced with muscovite.
3. Mohamad Mursyik B. Abd Raman, Title: Montmorillonite reinforced shape memory polyurethane nanocomposites based on palm oil polyol.

Masters (Mix-mode)

1. Amina binti Darman, Title: Effect of Soft-Hard Segment Content on Shape Memory Properties of Polyurethane Elastomer.

Academic Recognition and Leadership

(a) Awards for Innovation

1. Ernie Suzana Ali, Syazana Ahmad Zubir, Sahrim Ahmad, Farah Wahida Harun & Muhammad Aslam Fathi Amran. Silver Medal for innovation of *i-GreenElast-II*. The Exposition on Islamic Innovation 1433H (I-INOVA' 12), Nilai, 20 – 21th October 2012.
2. Ernie Suzana Ali, Sahrim Ahmad & Syazana Ahmad Zubir. Itex Silver Medal for innovation of *I-GreenElast*. 23rd International Invention, Innovation & Technology Exhibition (ITEX 2012), Kuala Lumpur, 17 – 19th May 2012.
3. Ernie Suzana Ali, Syazana Ahmad Zubir, Sahrim Ahmad & Norhidayah Md. Kahar. Bronze medal for innovation of *i-GreenElast*. The Exposition on Islamic Innovation 1432H (I-INOVA' 11), Nilai, 14 – 16th October 2011.
4. Iis Sopyan, Syazana Ahmad Zubir. Bronze Medal for Research: Production of Highly Crystalline and Pure Hydroxyapatite for Bone Implant Materials by Using Seashell at the Kulliyah of Engineering Research and Innovation Exhibition (KERIE'09), Gombak, 21st January 2009.

(b) Reviewing Articles in Academic Journals

1. Editor: Prof. Ir. Dr. Mariatti Jaafar, Title: Effect OF ZnO on the Weathering Behaviour of PC/ABS Blend, Journal: Journal of Applied Chemistry, Year: 2014

(c) Member in Professional Association

1. Boards of Engineer Malaysia: Registered Engineer

(d) Professional Certification

1. CompTIA A+ Certified Professional – IT Technician, 6th December 2008 (date certified).

Service to Community/University

1. Accompanying Lecturer for educational visit to Ho Chi Minh, 18 – 22th October 2014, organized by Materials Programme, School of Materials and Mineral Resources Engineering.
2. Secretary Science Camp: Encouraging Science Education through Innovative Science Camps, 27th September 2014, Dewan Peperiksaan Baru, USM Engineering Campus, organized by NanoMIG School of Materials and Mineral Resources Engineering.
3. Committee Kampus Sejahtera, School of Materials and Mineral Resources Engineering, 2014-2016.
4. Facilitator 'Kem Jati Diri Remaja Rakan Masjid', 26 – 28th November 2013, Pusat Kokurikulum Pulau Pinang, organized by Jawatankuasa Qariah Masjid Jamek Cherok Tokun and Biro Pemuda Qariah.