


Curriculum Vitae of ENGGU ZAHARAH BT ENGGU ZAWAWI

Full Name	ENGGU ZAHARAH BT ENGGU ZAWAWI
 <p>Academic Qualifications</p>	<p>2013 Doctor of Philosophy (Material Science) UNIVERSITI KEBANGSAAN MALAYSIA, BANGI</p> <p>2004 Master of Science (Material Science) UNIVERSITI KEBANGSAAN MALAYSIA, BANGI</p> <p>1995 BEng. (Hons) Polymer Engineering UNIVERSITY OF NORTH LONDON, U.K.</p> <p>1993 Diploma In Rubber & Plastics Technology INSTITUT TEKNOLOGI MARA SHAH ALAM, SELANGOR</p> <p>1993 Diploma In Natural Rubber Processing Malaysia Rubber Board.</p>
Current Professional Membership	<ul style="list-style-type: none"> - Member of Malaysian Nuclear Society (539/2008) - Malaysian Board of Technologist (MBOT)
Current Teaching and Administrative Responsibilities	<ul style="list-style-type: none"> - Resource Person (RP) - Introduction to Polymer Machinery (PST463) - Members of Internal Auditor Fakulti Sains Gunaan, UiTM Shah Alam. - Programme Coordinator of BSc. Polymer Tech and Material Tech, Fakulti Sains Gunaan, UiTM Shah Alam.
Working Experiences	- Lecturer (BSc. Polymer Technology), Faculty of Applied Sciences, Universityt Teknologi MARA (Shah Alam)
Conference and Training	<p>Committee member of :</p> <ul style="list-style-type: none"> - National Symposium on Polymeric Materials 2017 - International Conference On Applied Sciences And Industrial Technology 2015. - International Polymer Technology Conference and Exhibition 2013.
Research and Publications	<p>PUBLICATIONS:- FOR 2017 & 2018</p> <ol style="list-style-type: none"> 1. <u>Enggu Zaharah Enggu Zawawi</u>, Dzaraini Kamarun, Rozana Mohd Dahan and Nor Haleeda Mohammad Adzhar. Mechanical, Morphological and Thermal Properties of Linear Low Density Polyethylene/Poly(Lactic Acid) Blends. <i>National Symposium on Polymeric Materials 2017 (NSPM 2017)</i>, AIP Conference Proceedings 1985, 030012 (2018); doi: 10.1063/1.5047170. AIP Publishing. 030012-(1- 6). -(SCOPUS

2. Siti Zulaikha Ibrahim, Engku Zaharah Engku Zawawi, Mohamad Asri Ahmad, and Azemi Samsuri. Cure Characteristics And Mechanical Properties Of Different Accelerator Systems For Thick Rubber Article. *National Symposium on Polymeric Materials 2017 (NSPM 2017)*, AIP Conference Proceedings 1985, 040012 (2018); doi: 10.1063/1.5047189. AIP Publishing. 040012-(1-6).-(SCOPUS

FOR 2017 & 2016

1. Book Chapter- Fatimah Zuber, Dzaraini Kamarun, Engku Zaharah Engku Zawawi. Development of new formulation for automotive weatherstrip seals. *Engineering & Technical Development For Sustainable Environment*. Dzaraini Kamarun, Ramlah Mohd Tajuddin, Bulan Abdullah. Apple Academic Press, Incorporated, 2017.
2. Dzaraini Bte Kamarun, Engku Zaharah Engku Zawawi, Nur Hikamah Binti Seth, Siti Nurai'syah Umar Shaifudin. 2016. "Mechanical Properties of High Loading Luffa Acutangula Fiber with Cloisite 15A and Polypropylene". *Advanced Materials Research* Vol. 1134: pp178-184.-(SCOPUS).
3. Rozana bt Mohd Dahan, Engku Zaharah Binti Engku Zawawi, Dzaraini Bte Kamarun , mohamad Rusop Bin Mahmood, Adillah Nurashikin Arshad, Nor Athirah Mohamed, Mohd Hafiz Wahid, Muhamad Naiman Sarip. 2016. ATR-FTIR Analysis on Polymorphism of PVDF/MgO Nanocomposite Thin Films. *Advanced Materials Research* Vol. 1134: pp39-435.-(SCOPUS).

PUBLICATIONS FOR 2014

1. Utilization of Polyethylene Terephthalate (PET) and Rubber Crumb as Fine Aggregate in Concrete - a Review. 2014. Kartini Binti Haji Kamaruddin), Hamidah Bt Mohd Saman @ Hj Mohamed, Engku Zaharah Engku Zawawi, Norhana, A.R. PROCEEDING PAPER International Postgraduate Seminar 2014 - Engineering Challenges Towards Better Life and Humanity.

PUBLICATIONS FOR 2013

1. Engku Zaharah E Zawawi*, Sahrim Hj Ahmad, Rozaidi Rashid. A.R. Shamsul Bahri. 2013. Characterisation and properties of HDPE/NR blend-layered silicate nanocomposites prepared by melt intercalation. *Int. J. Materials Engineering Innovation*. Vol. 4, Nos.3/4: pp343-354. (SCOPUS)
2. Dzaraini Kamarun, Muhammad Fakhrurazi Daud, Engku Zaharah Engku Zawawi*,. 2013. Mechanical Properties of *Luffa*

	<p><i>Acutangula</i>-Filled Polypropylene. <i>Advanced Materials Research</i> Vol. 812: pp87-92. -(SCOPUS)</p> <p>PUBLICATIONS FOR 2012</p> <p>1. <u>Engku Zaharah Engku Zawawi*</u>, Sahrim Hj Ahmad, Rozaidi Rashid. 2012. Effect of Melt-Blending Conditions on the Properties of HDPE/NR Blends/Organoclay Nanocomposites. <i>Advanced Materials Research</i> Vol. 576: pp322-325. -(SCOPUS)</p> <p>PUBLICATIONS FOR 2011</p> <p>1. <u>Engku Zaharah Engku Zawawi*</u>, Sahrim Hj Ahmad, Rozaidi Rashid. 2011. Mechanical and Morphological Properties Evaluation of HDPE/Organoclay Nanocomposites with Various Percentages of NR content. <i>Key Engineering Materials</i> Vols. 471-472: pp115-120. -(SCOPUS)</p>
Consultancy	-Technical Committee on Physical Testing (TC45), SWO-Malaysia Rubber Board.
Professional Affiliations	Member, Frontier Materials & Industry Applications, Community of Research (CORE), UiTM, current
Invention, Innovation & Design Exposition 2017 (IINDEX2017)	Rozana Bt Mohd Dahan, Rozana Bt Mohd Dahan, Muhamad Naiman Bin Sarip, Adillah Nurashikin Binti Arshad, Engku Zaharah Binti Engku Zawawi, Mohamad Hafiz Bin Mohd Wahid. Ferroelectric Stability of PVDF-TrFE / Mgo Nanocomposite Film, Exhibition,
Field of Expertise	Polymer Matrix Composite/Nanocomposites