

# Credentials (IOS Researcher)



**AHMAD ZAFIR ROMLI**

BSc. (Hons.) Polymer Technology (UiTM, Malaysia)

MSc. Polymer Technology (Loughborough University, U.K)

PhD Polymer Composites, (UiTM, Malaysia)

## Current roles and responsibilities:

1. Deputy Director, Institute of Science
2. Head, Centre of Polymer Composites Research & Technology, Institute of Science
3. Senior Lecturer, Faculty of Applied Sciences
4. Chief Editor, Technical Bulletin – Polymer Composites & Technology

## Honors Awards & Showcase:

1. Malaysia Technology Expo (MTE), KL – 1 Silver & 1 Bronze
2. British Invention BIS, UK – 1 Silver
3. SME Innovation Showcase
4. Invention and Product Exposition (INPEX), USA – 1 Silver & 1 Bronze

## Selected Journals & Publications

- “The Fibre Damage Due to the Mechanical Cutting of Treated and Untreated Short Fibre/ Unsaturated Polyester Composite”, Journal of Engineering Science, Vol. 13, 63-74, 2017
- “Physical and Mechanical Properties of ENR Compatibilized NR/NBR Blends Reinforced Nanoclay and Nanosilica”, Macromol. Symp., Vol 371, 27-34, 2017
- “Preparation and Characterization of Cellulose and Microcrystalline Cellulose Isolated from Waste Leucaena Leucocephala Seeds”, International Journal of Advanced and Applied Sciences, Vol. 3(4), 51-58, 2017
- “Effect of Carbon Black Structures toward Heat Build-up Measurements and its Dynamic Properties”, Mohd Ismail Rifdi Rizuan, Mohammad Azizol Abdul Wahab & Ahmad Zafir Romli, Advanced Materials Research, Vol. 1134, 131-137, 2016
- “The Influence of Femoral Ball Size on the Range of Motion that Fulfills the Criteria of Safe Zone Orientation Acetabular Cup”, Muhamad Faris Abd Manap, Solehuddin Shuib, Ahmad Zafir Romli & Amran Ahmed Shokri, Jurnal Teknologi, Vol. 76:7, 31-35, 2015

## Research Grant

- Novel Advanced Organic Materials: Polyimides (PI) and Polyphynelenevinylene (PPV); Physical Properties – **RM 1 mil**
- The Dynamic Ageing Behavior via Mechanical Failure on the Glass Fiber/ Keratin Filler Sandwich Thermosets Polymer Composites – **RM 36 000.00**
- Effect of Rice Husk’s Particle Size on Physical and Mechanical Properties of Polyvinyl Chloride Composites – **RM 32 000.00**
- Improvement of ‘KIBSU’ IBS load bearing Wall Panel for Production and Onsite Applications – **RM30 000.00**
- Characterization of Glass Fiber Reinforced Unsaturated Polyester Filled P84 Polyimide/ Multi-wall Carbon Nanotube (MWCNT) Composites – **RM53 000.00**
- Finite Element Modeling of Uncemented Hip Stem Primary Fixation: The Effect of Bone Visco-elastic Properties to the Interference Fit – **RM20 000.00**
- The Preparation and Characterization of Recycle Waste Chrome Tanned Leather Reinforced Unsaturated Polyester Composite – **RM 18 600**

## Consultancy

- Bearlocher (M) Sdn. Bhd.
- Toyo Tyre Sales and Marketing Malaysia Sdn. Bhd.
- Yong Fong Rubber Industries Sdn. Bhd.
- Testing & analysis: Ricycled Sdn. Bhd., Hexagon Composite Sdn. Bhd., Bold Vision Sdn. Bhd.

## Articles & Books

- “Stepping on Eggshells”, Clay Technology Magazine, 30<sup>th</sup> April 2010, <http://www.iom3.org/news/stepping-eggshells>
- **BOOK** – “Current Materials for Industrial Technologies and Engineering Practice”, Editors: Rozana Mohd Dahan, Ahmad Zafir Romli, Mohd Rozi Ahmad & Dzaraini Kamarun, Trans Tech Publication, ISBN: 978-3-03835-734-6, 2016
- **TECHNICAL BULLETIN** – Chief Editor/ Layout - Technical Bulletin of Polymer Composites Research & Technology, Polymer Composites Research & Technology Publication, ISSN: 2289-7089 – Vol 1 Issue 1, 2, 3 & 4