

RESUME/CV

Assoc Prof Dr Rahmah Mohamed



Rahmah Mohamed , senior lecturer for more than 30 years at Faculty of Applied Sciences UiTM Shah Alam, Selangor. She obtained her PhD in polymer photonics at Elect, Electronic, and System Engineering, UKM in 2005. Her basic degree is in Polymer Chemistry and Technology, and her master’s degree in Polymer Technology from Loughborough University of Technology(LUT) UK, in 1994. She is also a paint inspector with professional certification on paints /coatings from Tasmania Institute of Technology, Australia in 1992. Her specializations are polymer based products, synthesis and applications. She had done various researchers in synthesis , biodegradable plastic and composites. She is also involved in photosensitive polymer for photonics/dental/coatings, synthesis for dye doped optical polymer waveguide, polymer characterisation, sustainable resin synthesis, polymer materials (degradable plastic and composite), adhesive and coatings, organic fiber-filled thermoplastic and thermoset composites. Her research interest covers from optical polymer use and integration of polymer in electronic and photonic devices, degradable plastic, polymer composites, and synthesis of green and specialty polymers.

Have been moderator and guest speakers in various international and national conferences and been trained for carbon footprint (CFP) basic programme for environment analysis of various systems in the safeguarding of environment carbon gas emissions.

I had been awarded GREEN SKILLS expert certificate KETTHA (Green technology Ministry) which can train human resources for a more sustainable human capital and environment. I also can be an energy auditor with recent cert given through trained UNESCO office and certification awarded by BSEEP Msian govt.

BASIC PROFILE

Lecturer since 1986

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| Year of Birth : | 1962 |
| Ph.D Qualification (Year Obtained) | 2005 |
| Professional Qualification)- Paint Inspector Certification Scheme, IMM, from TASMANIA Institute of Technology , TAFE Australia | 1992 |
| Certified Master Trainer GREEN technology WIM , Ministry Human Resoruce Malaysia | 2014 |

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| Certificate Green Tech Compliance Z-050 | 2014 |
| Energy Auditor Certificate | 2015 |

POSTGRADUATE SUPERVISION

Supervised and cosupervised PhD , Masters, Undergraduate Projects and research .

More than 12 completed Masters, 3 Phd and ongoing of 3 PhDs and 5 Masters project on progress.

Supervised more than 100 Undergraduate Final year projects in Polymer Disciplines.

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rahmahgepsb@gmail.com

Qualification : **ACADEMIC BACKGROUND**

1. PhD (Polymer Photonic) Elect, Electronic & System Engineering, UKM, **2005**.
2. Short stint PhD at Brunel U and Cranfield U, RMCS Swindon, UK (1998)
3. **2nd Degree:** Masters of Science (MSc) in Polymer Technology Loughborough University of Technology (LUT) UK , **1994**
4. **1st Degree:** Bachelor of Science (BSc) in Polymer Chemistry and Technology , UWIST, Cardiff , UK , **1986**
5. Paint Inspector Certification Scheme, Tasmania Institute of Technology, Australia, 1992 with IMM (Formerly Malaysian Material Institute[MMS]

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Field of Expertise *Polymer characterisation) , polymer materials , adhesive and coatings , organic fiber filled thermoplastic and termoset composite , synthesis for dye doped polymer waveguide and photosensitive polymer for photonis/dental/coatings , biomaterials, additives and plastics compounding, plastics and rubber compounding*

Research of interest :*Polymer composite , Speciality polymers, Optical and Photonic polymers, Additives and compounding, Biobased plastics.*

RESEARCH FUNDINGS

Research on various topics and grants from Malaysian National grants namely;

-Fundamental Research Grant/FRGS, E Science Fund, Knowledge Transfer Fund (KTP) , Synergy Grant

Some of the projects involved are Degradable Plastics, Green Sustainable Resin , New materials for optical and photonic devices , Rubber and Plastics compounding. Plastics Composite and Green materials.

More than 50 Index Scopus Journals and 100 proceedings and Won about more than 20 international awards and 30 series of National awards. Held 5 patent pendings and applied grants for commercia