

Sr. Lecturer

**TEH PEI LENG**



Contact Details

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**Professional Experience:**

Lecturer, School of Materials Engineering, UniMAP 2009-Present

## **Research Contributions:**

Polymer blend & composite  
Electronic packaging materials

## **Teaching Contributions:**

Thermoset Processing; Rubber Processing; Polymer Blends; Polymer in Electronic Applications; Advanced Electronic Packaging; Polymer Engineering Product; Elastomeric Materials; Polymeric Materials; Polymer in Specific Applications;

## **Current and Recent Researchers:**

### **Current Research Students**

Siti Noorkhartina Ishak (PhD) - Preparation and Characterization of Porous Epoxy

Mohamad Nur Fuadi Pargi (PhD) - Mechanical, Electrical And Thermal Properties Of Recycled Copper Filled Epoxy Composites

Phua Jin Luen (PhD) - Preparation and Characterization of carbon black filled immiscible epoxy blends systems

Natasha Binti Mohd Noor (Msc) - Mechanical, Thermal and Chemical Modification of Palm Kernel Shell (PKS) filled Styrene Butadiene Rubber (SBR) Composites

Faruq Bin Luqman (Msc) - Effect of Filler Treatment on the Mechanical Properties of Silica Filled Epoxy Composites

Mohamed Abdullah Ibrahim Oulowa (Msc) - The Effect of Particle Size on the Viscosity and Mechanical Properties of Silica Filled Epoxy Composites

Wan Nur Fadilla Binti Wan Hamad (Msc) - The Effect Of The Processing Conditions On The Mechanical And Dielectric Properties In Epoxy Foam

Najihah Binti Jamil (Msc) - The Effect of Recycled Rubber (RR) on the Properties Of Epoxy/ Carbon Black (CB) Composites

## **Honours, Awards and Memberships:**

2011 - Society of Plastics Engineers

## **Research Funding:**

Short Term Grant - Development of polymer mold material for automotive application (2010-2011)

Research Acculturation Grant Scheme (RAGS) - Study Of The Immiscible Blends Systems: Epoxy/PMMA To Produce Low Percolation Threshold Conductive Composites (2013-2015)

Fundamental Research Grant Scheme (FRGS) - Correlations of Morphology, Percolation threshold and Toughening effect of Epoxy/Graphene Conductive Composite Using Different Forms of Natural Rubber (2014-2017)

## **Some Recent Publications**

M. N. F. Pargi , P. L. Teh, H. Salmah and C. K. Yeoh. (2015). The Effect of Coarse Particle Size on the Properties of Recycled Copper Filled Epoxy Composites. *Polymer Plastic Technology & Engineering*, 54(3): 265-269.

W. N. F. Wan Hamad, P.L. Teh & C.K. Yeoh. (2013). Effect of Acetic Acid as Catalyst on the Properties of Epoxy Foam. *Polymer-Plastics Technology and Engineering*, 52 (8): 754-760.

J.L. Phua, P. L. Teh, A.G. Supri, C. K. Yeoh, S.N. Ishak. The Properties of Recycled Copper Filled Epoxy/Unsaturated Polyester Composites. *Advanced Materials Research*, Vol .795 (2013): 407-413.

S.N. Ishak, P.L .Teh , Du Ngoc Uy Lan, C.K. Yeoh, J.L. Phua. The effects of extraction mediums on the properties of porous epoxy using latex as void template. *Advanced Materials Research*, Vol.795 (2013): 299-303.

J.L. Phua, P. L. Teh, A.G. Supri and C. K. Yeoh. The effect of thermal aging on the properties of recycled copper filled epoxy/unsaturated polyester composites. *International Journal of the Institute of Materials Malaysia (IJIMM)*, 2013, vol. 1, pp. 39-49.

M. N. F. Pargi , P. L. Teh, H. Salmah and C. K. Yeoh. (2013). The effect of particle size on the electrical and thermal properties of recycled copper filled polyester composites, *International Journal of Materials Engineering Innovation*, 4(3/4), 291-301.

M. N. F. Pargi, P. L. Teh, H. Salmah and C. K. Yeoh. (2012). Thermal, Electrical and Physical Properties of Recycled Copper Filled Epoxy Composites. *Advanced Materials Research*, 620, 208-212.