

# SUZAINI ABDUL GHANI

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## EDUCATION

SEPTEMBER 2011

**DOCTOR OF PHILOSOPHY (TEXTILE),**

UNIVERSITY OF MANCHESTER, UNITED KINGDOM

JUNE 2002

**MASTER OF SCIENCE,**

UNIVERSITI TEKNOLOGI MARA, MALAYSIA

MAY 1997

**BACHELOR OF SCIENCE (TEXTILE TECHNOLOGY),**

PHILADELPHIA UNIVERSITY, UNITED STATE OF AMERICA

## TEACHING EXPERIENCE

- 16 Jun 1997 – now
- Current teaching responsibilities:
  - Textile Testing
  - Textile and Apparel Product Development

## RESEARCH INTEREST

TEXTILE PRODUCT PERFORMANCE

## CITATION INDICES

Citation	38
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# GRANTS

## 2011- current

### RESEARCH ENTITY INITIATIVE (REI) 2018-2020 MEMBER (RM32,000)

Modeling Tensile & Puncture Behavior of Multidirectional Weave Angles with High Helical Polyester

### FRGS 2015-2018 PROJECT LEADER (RM58,000)

Thermo-physiological Comfort Properties in relation with tactile performance of knitted fabric

### FRGS 2014-2016 MEMBER

Crimp interchange phase characterization of 3D angle interlock woven fabrics composite

### FRGS 2012-2014 PROJECT LEADER (RM62,000)

Cyclic loading power stretch woven seam failure mechanics

### RAG 2012-2014 MEMBER (RM80,000)

Bio-Finish Treatment Parametric Structural Analysis

### RIF 2012-2014 MEMBER (RM32,000)

The Slippage Behaviour of Lockstitch Seam in Plain-Woven Fabrics

### FRGS 2011-2013 MEMBER

Quasi Static Tensile Puncture 2D woven fabric failure mechanics

## Before 2011

### IRPA GRANT MEMBER (RM160,000)

Improving Songket Quality and Productivity using Jacquard Technology

### IRPA GRANT MEMBER (RM170,000)

Flexible Composite Soft Body Armour

### BRC GRANT MEMBER (RM20,000)

The application of Kenaf for Composites

### BRC GRANT MEMBER (RM20,000)

Determination of fabric thermal values for woven fabric made of polyester and cotton fibers

### IRDC GRANT 2004-2005 PROJECT LEADER (RM35,000)

The application of Ultrasound Dyeing on Natural Dyes

### BRC GRANT MEMBER (RM10,000)

Dyeing Silk Fabrics using Dyestuff from Flowers

### BRC GRANT MEMBER (RM20,000)

The Conversion of Textile Wastes into Composite Material

### BRC GRANT MEMBER (RM20,000)

Abrasion and Tensile Loss Relationships of Automotive Seating Fabrics

### BRC GRANT MEMBER (RM20,000)

Determination of Yarn Abrasion Properties

## PUBLICATIONS

### 2010-CURRENT

1. **'Seam Quality: Experimental and Modelling works using the Structural Equation Methodology'**, S. A. Ghani, H. Gong, Scientific Research Journal, Vol. 7, No.1, pp13-36. 2010 ISSN
2. **'Structural Equation Modeling of Seam Failures Analysis'**, S.A. Ghani, M.F. Yahya and H. Gong, 2012 IEEE Colloquium on Humanities, Science and Engineering (CHUSER2012), IEEE and Scopus Indexed.
3. **'Modelling Puncture Impactor Shapes Effects on Plain Woven Fabrics'**, 88th Textile Institute World Conference, Shah Alam, 15 to 17 May 2012.
4. **'Modelling Yarn Frictions with Validated Uniaxial-Puncture Plain 1/1 Woven Fabric Models'**, 2012 IEEE International Symposium on Bussiness, Engineering and Industrial Applications (ISBEIA), IEEE and Scopus Indexed.
5. **'Finite Element Analysis of Impactor Shapes Effects on Puncture Damage of Plain Woven Fabric'**, 2012 IEEE Colloquium on Humanities, Science and Engineering (CHUSER2012), IEEE and Scopus Indexed.
6. **'Predictive models for seam puckering by means of two different objective and evaluation instruments: KES-F and FAST'**, S.A. Ghani and M.F. Yahya, 2013 IEEE Symposium on Humanities, Science and Engineering (SHUSER2013), IEEE and Scopus Indexed.
7. **'Seam puckering: Analysis and Modeling with Structural Equation Modeling'**, S.A. Ghani and M.F. Yahya, Advanced Materials Research, Vol. 812 (2013) pp157-162. Scopus Indexed
8. **'Effect of impactor shapes and yarn frictional effects on plain woven fabric puncture simulation'**, M.F. Yahya, S.A. Ghani and J. Salleh, Textile Research Journal published online 16 January 2014. ISI 1.135 Impact factor
9. **'Modelling plain woven composite model with isotropic behaviour'**, M.F. Yahya, S.A.Ghani, J.Salleh, Proceeding of the International Colloquium in Textile Engineering, Fashion, Apparel and Design 2014, 19-24.
10. **'Fabric mechanical properties: Human versus machine interpretation'**, S.A.Ghani, M.F.Yahya, S.N.Dahalan, Proceeding of the International Colloquium in Textile Engineering, Fashion, Apparel and Design 2014, 53-56.
11. **'Surface appearance changes of bio-finished knitted fabric'**, E. Nasir, M.S.R.M. Khair, N, Tulos, A. Musa, A. Baharudin and S.A. Ghani, Proceeding of the International Colloquium in Textile Engineering, Fashion, Apparel and Design 2014, 65-70.
12. **'The performance of tenun Pahang using various weft yarn'**, E.L.Z. Engku Mohd Suhaimi, J. Salleh, S.A. Ghani, M.F. Yahya, M.R. Ahmad, Proceeding of the International Colloquium in Textile Engineering, Fashion, Apparel and Design 2014, 71-78
13. **'Investigating the Effect of Different Weft Densities and Draw in plan on Physical Properties and Seam Strength of Woven Plain Fabrics'**, Nurul Syazwani Abdul Latif, Suzaini Abdul Ghani, Pertanika Journal of Science and Technology, 2017. 25(S).
14. **'Knitted Fabric Parameters in Relation to Comfort Properties'**, Athirah Mansor, Suzaini Abdul Ghani, and Muhamad Faizul Yahya, American Journal of Materials Science, 6(6), 2016, 147-151. doi: 10.5923/j.materials.20160606.01