

NURUL AINI BINTI BANI

LECTURER

PERSONAL INFORMATION

OFFICE: UTM Razak School of Engineering & Advanced Technology,
UTM Kuala Lumpur, Jalan Sultan Yahya Petra,
54100 Kuala Lumpur.

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EDUCATION

A-Level , Kolej Matrikulasi Yayasan Saad, Malaysia, 2002.

Master of Engineering (Electrical Engineering) (1st Class Hons),
University of Southampton, UK, 2006

PhD in Electrical Engineering , Universiti Teknologi Malaysia,
Malaysia (in progress)

FIELD SPECIALIZATION

High Voltage Engineering, Biomedical Engineering, Renewable Energy, Rural Technology

PROFESSIONAL MEMBERSHIP

Graduate Member, Board of Engineers Malaysia
IEEE Student Membership (93732775)

PROFESSIONAL CERTIFICATE

Good Clinical Practice (GCP) Certificate to conduct clinical research by
Ministry of Health Malaysia (2015)

PUBLICATIONS

JOURNAL / PROCEEDINGS:

N. A. Bani, Z. Abdul-Malek, H. Ahmad, F. Muhammad-Sukki and A. A. Mas'ud, *Characteristics of electroluminescence phenomenon in virgin and thermally aged LDPE*. (2015). Physics and Materials Symposium, American Institute of Physics Conference Proceedings 1674, 020005-1–020005-5. (WoS Indexed)

N. A. Bani, Z. Abdul-Malek and H. Ahmad, *Statistical Analysis of Breakdown Voltages in Virgin and Aged LDPE Using Johnson SB And Weibull Distribution*. (2015). Applied Mechanics and Materials, Vol 818, pp. 58-62.

A.B Munir, F. Muhammad-Sukki and **N.A Bani**, *Renewables: Solar energy needs focus*, Correspondence Addresses in Nature 529(7587):466-466 · January 2016 (WoS Indexed) (IF : 41.45)

N. A. Bani, Z. Abdul-Malek, H. Ahmad, F. Muhammad-Sukki and A. A. Mas'ud. (2015). *Modelling of Electroluminescence in Polymeric Material using Dimensional Analysis Method: Effect of Applied Voltage and Frequency*. International Journal of Electrical and Computer Engineering (IJECE) (Scopus

indexed) (Accepted for publication)

H. Abu-bakar, F. Muhammad-Sukki, R. Ramirez-Iniguez, T.K. Mallick, A.B. Munir, S.H. Mohd Yasin, A.A. Mas'ud, **N.A. Bani**, *Performance analysis of a solar window incorporating a novel rotationally asymmetrical concentrator*. *Energy*, Vol. 99, pp. 181-192 (2016) (WoS Indexed) (IF : 4.844)

CONFERENCE :

N. A. Bani, Z. Abdul-Malek and H. Ahmad. (2014). Statistical Analysis of Breakdown Voltages in Virgin and Aged LDPE Using Johnson SB And Weibull Distribution. *International Conference on Energy and Thermal Sciences 2014 (ICETS 2014)*. Virtual Conference, 1 October 2014.

N. A. Bani, Z. Abdul-Malek, H. Ahmad, F. Muhammad-Sukki and A. A. Mas'ud. (2015). Characteristics of electroluminescence phenomenon in virgin and thermally aged LDPE. *International Conference of Applied Sciences and Industrial Technology: Physics and Materials Symposium (ICASIT 2015)*. 24-26 February 2015, Port Dickson, Negeri Sembilan.

N. A. Bani, Z. Abdul-Malek, H. Ahmad, F. Muhammad-Sukki and A. A. Mas'ud. (2015). Modelling of Electroluminescence in Polymeric Material using Dimensional Analysis Method: Effect of Applied Voltage and Frequency. *1st ICRIIL – International Conference on Innovation in Science and Technology (IICIST 2015)*. 20 April 2015, University Teknologi Malaysia Kuala Lumpur.

A.Abubakar Mas'ud, M.E. Eltayeb, F. Muhammad-Sukki and **N.A. Bani**. Statistical error tolerances of partial discharge recognition rates. (2015). *IEEE Conference on Sustainable Utilization and Development in Engineering and Technology (CSUDET 2015)*. 15th October 2015, Selangor, Malaysia.

PROJECT

PRINCIPAL INVESTIGATOR:

Measurement Of Hand Grip And Pinch Strength In Diagnosing Multiple Chronic Diseases In Malaysian Population (RUG Tier 1 – RM50,000)

PROJECT MEMBER :

Modeling Of 3d Lung From Computed Tomography Thorax Image Slices (RUG Tier 1 – RM50,000)

The Development of a Universal Electric Vehicle Charger for Standard and Rapid Charging (Technofund – RM1,952,500)
