

## ZARITA ZAKARIA

Department of Biosciences and Medical Engineering,  
Faculty of Biosciences and Medical Engineering (FBME),  
Universiti Teknologi Malaysia.



### **Personal Particulars**

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Full Name	Zarita Binti Zakaria
I.C. Number	780820-11-5074
Date of Birth	20 August 1978
Place of Birth	Jerteh, Terengganu
Nationality	Malaysian
Religion	Islam
Status	Married
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Name of Current Employer	<b>UNIVERSITI TEKNOLOGI MALAYSIA</b>
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## **Appointment**

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### **Lecturer (2005-present)**

Universiti Teknologi Malaysia  
Skudai, Johor

### **Tutor (2001-2005)**

Universiti Teknologi Malaysia  
Skudai, Johor

## **Educational Qualification**

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2002-2004      University of Nottingham, UK  
**MSc. In Biosciences**

1997-2000      Universiti Kebangsaan Malaysia  
**BSc. In Environmental Sciences**  
Second class upper

## **Award and Sponsorship**

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**SLAI Scholarship from the MOHE** to pursue a PHD of Science in Biosciences at  
Universiti Teknologi Malaysia

**SLAB Scholarship from the Public Services Dept, Malaysia** to pursue a Master of  
Science in Biosciences at University of Nottingham

**Scholarship from the MARA**, Malaysia to pursue a degree in Environmental Sciences  
at Universiti Kebangsaan Malaysia

## Research Experience

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Dis 2008 – present

### Research Project

- **Isolation of fibrinolytic enzyme producing bacteria** from Malaysian fermented food (*Belacan*, *Budu* and *Cencaluk*) as an alternative anticoagulant in thrombosis therapy.
- **Cloning of subtilisin-like 13BN gene** into pET22b(+) expression vector before transformation into *E.coli*.
- **Purification of subtilisin-like 13BN protein, characterization and kinetic study** of the protein
- **Structural and functional studies of subtilisin-like 13BN protein**

Feb 2003 – Nov 2003

### Research Project

- **Transformation of Malaysian and Italian rice** by using the *Agrobacterium*-mediated
- Tissue culture of 2 types of Malaysian rice and 1 type of Italian rice
- Gene transformation from 3 strains of *Agrobacterium* into the rice callus
- GUS analysis

June 1999-April 2000

### Research Project

- **Regeneration of *Rhizophora* sp.** In rocky area at Tanjung Siang, Johor
- in situ analysis-mortality and natality of *Rhizophora* sp.
- Laboratory analysis-water and soil physical and chemical

## **Publication in Refereed Journals and Proceedings (International and National)**

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### **Proceedings (International)**

Zarita Zakaria, Noor Aini Abdul Rashid, Madihah Mohammad Salleh, Chan Geik Far and Razauden Zulkifli. Characterization of Fibrinolytic Enzyme from *Bacillus cereus* 13BN *In vivo* International Journal of Experimental and Clinical Pathophysiology and Drug Research 25: 453.ISSN 0258-851X

Zarita Zakaria, Noor Aini Abdul Rashid, Madihah Mohammad Salleh, Chan Geik Far and Razauden Zulkifli. Cloning and Expression of a Novel Fibrinolytic Enzyme from Newly Isolated *Bacillus cereus* 13BN Enzyme 2011. *In vivo* International Journal of Experimental and Clinical Pathophysiology and Drug Research 25: 453.ISSN 0258-851X

### **Seminar Presented**

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Characterization of Fibrinolytic Enzyme from *Bacillus cereus* 13BN  
4th International Congress of Molecular Medicine, Yeditepe University, Istanbul, Turkey  
(27-30 June 2011)

Cloning and Expression of Novel Fibrinolytic Enzyme from newly Isolated *Bacillus cereus* 13BN  
4th International Congress of Molecular Medicine, Yeditepe University, Istanbul, Turkey  
(27-30 June 2011)

### **Workshop/ training Attended**

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Fibrinogen Conformation for Improved Biocompatibility by Dr. Mohamed Yaseen,  
University of Manchester, UK

How to write/published a good journal by Dr. Haitam Idris, UK

Majlis Professor Seminar: How to write a paper in citation journal.

ECOSTM 1-Min Transformation Technology:  
Transformation Your Time and Finish Early Again  
(14th-15th October 2009)

Wokshop : AKTAprime Protein Purification System (GE Healthcare)  
(16th March 2010)

Postgraduate Talk: Adenovirus in cancer treatment by Dr. Sallehuddin Hamdan.

Endnote Workshop: PSZ, UTM (25/2/2011)

Molecular and structural studies on targets from Mycobacterium tuberculosis by Dr. Yusuf Akter (9/2/2011)

Current Knowledge on Vaccine Development against Viral Nervous (VNN) in High Marine Fish Species in Asia by Dr. Ronaldo V. Pakingking Jr. (9/2/2011)

4th International Congress of Molecular Medicine, Yeditepe University, Istanbul, Turkey (27-30 June 2011)

Penulisan Journal oleh Prof. Dr. Fauzi, PSZ UTM (26 March 2012)

Problem Solving Workshop by UTM,  
(23 & 24 September 2013)

4<sup>th</sup> Internatinal Biotechnology and Biodiversity Conference & Exhibition (BIOJIHOR 2014), Johor