

CURRICULUM VITAE (RESUME)

SYED IZMUHAR BIN SYED IDRUS



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**CURRICULUM VITAE
(RESUME)**

SYED IZMUHAR BIN SYED IDRUS

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Jalan Edgecumbe,
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1. PERSONAL DETAILS

NRIC No.:	870903-35-5101
Age:	30
Date of Birth:	3 / 9 / 1987
Place of Birth:	Penang, Malaysia
Gender:	Male
Marital Status:	Single
Nationality:	Malaysian
Languages:	English and Bahasa Melayu (Proficient In both)
Driver's License:	B2, D
E-mail(s):	sizmuhar@yahoo.com , sizmuhar@gmail.com

2. EDUCATION AND QUALIFICATIONS

- 2012 – 2017 **Universiti Sains Malaysia, Penang, Malaysia.**
Degree in **Master of Science (Biomedicine)** titled
Profiling Of Triacylglycerols And Identification Of
Markers In Edible Oils And Fats Using Liquid
Chromatography Tandem Mass Spectrometry.
Pending for Viva-Voce confirmation.
- 2009 – 2011 **Flinders University, Adelaide, South Australia,**
Australia.
Degree in **Bachelor of Medical Science** (cGPA 3.5).
Majoring in **Biochemistry** and **Molecular Biology.**
- 2007 – 2008 **INTI International University Collage, Nilai, Negeri**
Sembilan, Malaysia.
Australian Degree Transfer Programme.
- 2005 – 2006 **KDU University College, Penang, Malaysia.**
Cambridge A-Level (Science).
- 2000 –2004 **St. Xavier's Institution, Secondary, Penang, Malaysia.**
Sijil Pelajaran Malaysia (SPM).
Penilaian Menengah Rendah (PMR).
- 1994 – 1999 **St. Xavier's Institution, Primary, Penang, Malaysia.**
Ujian Pencapaian Sekolah Rendah (UPSR).

3. RESPONSIBLE POSITIONS HELD

- 10/2008 Organized a Field Trip to **Taman Negara, Pahang, Malaysia**, for 3 days and 2 nights.
(Secretary for the Organizing Committee).
- 08/2004 Organized a Field Trip to **Penang Hill, Penang, Malaysia**, for 3 days and 2 nights under **School Guidance and Counseling Club**.
(Secretary for the Organizing Committee).
- 01/2003 - Served as **Section Leader** with the rank of **Sergeant**, in
08/2004 the **Malaysian Red Crescent Society 9th Unit**.
- 08/2003 - Served as **Exco Member** for the **Board of Class**
08/2004 **Monitors**.
- 10/2003 - **Secretary** for the **Guidance and Counseling Club** of **St.**
10/2004 **Xavier's Institution Secondary School**, Penang.

4. EXTRACURRICULAR ACTIVITIES

- 07/2004 Participated in the National **Physics Competition** at **Secondary Level** - organized by the **Physics Education Group for the Malaysian Physics Institute**.
- 04/2004 Competed in the **94th St. Xavier Institution Annual Sports and Games** (Won the Gold Medal for Tug-of-War event).
- 04/2004 Participated in the **Malay Language Parliamentary Debate – TYT's (Governor) Trophy for the Academic Curriculum Carnival**, Cluster Level.
- 03/2003 Participated in the **Malay Public Speaking Competition** for **Islam, Moral and Management Sector**.
- 03/2003 Participated in the **Malay Language Parliamentary Debate – TYT's (Governor) Trophy for the Academic Curriculum Carnival**, Cluster Level. (Won 2nd Place in the M1 Cluster).
- 08/2001 Competed in the **St. Xavier Institution Malay Language Week 2001** Drama Competition (Won 2nd Place).

5. FELLOWSHIP / SCHOLARSHIP / AWARD

- 13/03/2017 Awarded the Anugerah Kecemerlangan Penyelidikan from **Universiti Malaysia Perlis (UMINAP)**, Perlis, Malaysia for the project **“Plagiarism Detection with Keystroke Dynamics Recognition System: A Preliminary Forensic Investigation”**.
- 12/2013 -
11/2014 Awarded Fellowship by **Universiti Sains Malaysia (USM)**, Penang, Malaysia under the **USM Fellowship Scheme**.

6. WORK EXPERIENCE

- 04/2017 –
07/2017 Assisted in a research project in **Analytical Biochemistry Research Centre (ABrC), USM** under **Dr. Nazri Mohd. Ismail** titled **“Profiling Lutein in Plant”**.
- 04/2017 Assisted in reviewing a journal article sent from the **Journal of Oil Palm Research** titled **“Ultrasound Assisted Extraction of Palm Pressed Fibre for Crude Oil Recovery”**.
- 12/2015 Assisted in marking laboratory practical report for course **KAA 503 – Molecular Spectroscopy** for Master’s students, USM.

- 09/2014 Assisted in marking laboratory practical report for course **IBG 102 – Biology for Technologist** for 1st year Pharmacy students, USM.
- 07/2014 Assisted in marking tutorials and quizzes for course **BTT 202 – Techniques in Biotechnology** for 2nd year Pharmacy students, USM.
- 08/2013 Assisted in marking tutorials and quizzes for course **IBK 314 – Downstream Processing Technology** for 3rd year pharmacy student USM.
- 06/2013 Assisted in marking laboratory practical report for course **IBG 102 – Biology for Technologist** for 1st year Pharmacy students, USM.
- 06/2013 Assisted in marking tutorials and quizzes for course **BTT 202 – Techniques in Biotechnology** for 2nd year Pharmacy students, USM.
- 08/2012 Assisted in marking the exam objective answer sheets of 2nd year students for course **FAR 211 – Biochemistry of Basic Principles of Molecular Biology** with emphasis on Lipid Biochemistry, during the Examination week.

10/2012 -
07/2013 Employed as **Project Staff in Doping Control Center (DCC), USM**, under **Dr. Nazri Mohd Ismail**. The project was under USM Short Term Grant entitled: **Lipid Profiling using Mass Spectrometry**.

09/2012 –
12/2012 Assisted in the supervision of Laboratory Practical for 2nd year Pharmacy students for course **FAR 211 – Biochemistry of Basic Principles of Molecular Biology** with emphasis on Lipid Biochemistry.

7. RESEARCH PROJECTS

10/2012 -
Current Research Project for the Degree of Master of Science (Biomedicine) entitled: **Profiling Of Triacylglycerols And Identification Of Biomarkers In Edible Oils And Fats Using Liquid Chromatography Tandem Mass Spectrometry**.

01/2016 -
07/2016 Assisted in running an experiment to determine the methodology of detecting **Rosmarinic Acid** compound in ***Orthosiphon aristatus* (Misai Kucing)** using **High Performance Liquid Chromatography Tandem Mass Spectrometry (HPLC-MSMS)**.

08/2013 Assisted in running an experiment for preliminary results on a research project titled **“Profiling Glucocorticoids on a Linear Ion Trap ESI LCMS”**.

8. PRESENTATION / PUBLICATION / DEMONSTRATION

- 30/03/2017 Published an original research article to the **Instrumentation Science & Technology** journal based in **North Carolina (USA)**, vol 45 (5), page 577-591 entitled “**Determination of Triacylglycerols in Food by High-Performance Liquid Chromatography**”.
- 08/04/2016 – Presented a poster at the **International Engineering
10/04/2016 Invention & Innovation Exhibition (i-ENVEX) 2016** held at **Universiti Malaysia Perlis**. Poster entitled “**Plagiarism Detection with Keystroke Dynamics Recognition System: A Preliminary Forensic Investigation**”. Won the **Gold Prize**.
- 29/10/2015 Gave a demonstration to **Universiti Sains Malaysia’s** Master students for the course **KAA 503 – Molecular Spectroscopy** on **Lipid analysis** and **LCMS instrumentation**.
- 16/10/2015 Gave a demonstration to **Universiti Sains Malaysia’s** Undergraduate 2nd year Biology students on **Lipid analysis** and **LCMS instrumentation**.
- 09/09/2015 Gave a demonstration to a **Universiti Malaysia Terengganu’s** student on **LCMS instrumentation** and **MS data analysis** during **Industrial Training** period.

- 17/07/2015 Gave a 1-day demonstration to **Universiti Tenaga Malaysia's** students on **Lab work** and **LCMS instrumentation** handling during **Industrial Training** period.
- 23/10/2013 – Presented a poster at the **1st International Molecular**
25/10/2013 **Diagnostic and Biomarker Discovery (IMDBD)**, held at **Hotel Equatorial Penang, Malaysia** under **INFORMM, USM**. Poster entitled "**Triacylglycerol in Edible Oil: Biomarker for Food Quality**".

9. SYMPOSIUM / CONFERENCE / WORKSHOP ATTENDED

- 24/02/2017 Attended a one-day seminar titled **Malaysian-French Biometrics Seminar: Future Applications in Computer Forensics and Digital Investigations** organized by the **School of Human Development and Techno-Communication (iKOM)**, held at the **PARKROYAL Penang Resort, Batu Feringghi, Penang, Malaysia**.
- 02/03/2015 – Attended a seminar on thesis writing titled **Quick Thesis**
03/03/2015 **Writing & Article Management** organized by the **Perpustakaan USM**, in conjunction with PHS Clients Week 2015, held at the **Perpustakaan Hamzah Sendut, Main Campus USM**.
- 02/10/2014 – Attended a workshop on research paper writing titled
03/10/2014 **IPPT Workshop in Advanced Research Methods (I-WARM)** organized by the **Advanced Medical and Dental Institute USM**, held at the **Animal Research Complex, Bertam, Kepala Batas, Penang, Malaysia**.
- 07/2013 – Attended several classes on two language courses on
08/2013 **Basic Conversational Arabic** Level 1 and **Basic Conversational Japanese** Level 1 in the school of **Language, Literacy and Translation, USM (Main Campus)**.

23/02/2013 Attended a workshop on **Occupational Safety and Health** course organized by **Occupational Safety and Health USM**, held at **School of Pharmacy and Pharmaceutical Science USM (Main Campus)**.

10. REFEREES

<p>DR. NAZRI MOHAMAD ISMAIL</p> <p>Analytical Biochemistry Research Centre (ABrC), Universiti Sains Malaysia, 11800 USM, Penang, MALAYSIA.</p> <p>Tel.: (604) 6532694 ext.: 5831 Fax: (604) 6569869 E-Mail: mdnazri@usm.my</p>	<p>DR. MOHAMAD NURUL AZMI MOHAMAD TAIB</p> <p>School of Chemical Sciences, Universiti Sains Malaysia, 11800 USM, Penang, MALAYSIA</p> <p>Tel.: (604) 6533562 H/P: (6011) 32500683 E-Mail: mnazmi@usm.my</p>
<p>PROF. DR. MOHAMAD NAZALAN MOHAMAD NAJIMUDIN</p> <p>School of Biological Sciences, Universiti Sains Malaysia, 11800 USM, Penang, MALAYSIA</p> <p>Tel: (604) 6533888 ext.: 6159 H/P: (6012) 5985600 E-mail: nazalan@usm.my</p>	