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Senior Lecturer of Analytical Chemistry

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Professional membership

Member of American Chemical Society (ACS) (Membership #: 30928966)

Member of Malaysian Institute of Chemistry

Other Memberships: Life Member of Malaysian Analytical Sciences Society (ANALIS)

Qualifications

B.Sc. (Hons) Industrial Chemistry (Universiti Teknologi Malaysia), Johor Bahru, Malaysia,
2008

M.Sc. (Chemistry by Research) (Universiti Teknologi Malaysia), Johor Bahru, Malaysia, 2011
(with 3 months research attachment at Toyohashi University of Technology Japan (TUT))

Ph.D. (Chemistry) (University of Tasmania), Tasmania, Australia, 2014

Employment Record

1. Senior Lecturer Universiti Teknologi Malaysia, Malaysia (**2015-Current**)
2. Assistant Lecturer Universiti Teknologi Malaysia, Malaysia (2008 - 2014)
3. Executive Environment and Quality at Kapar Energy Venture, Sultan Salahuddin Abdul Aziz Power Station, Selangor, Malaysia (May 2008-Nov 2008)

Academic Activities

1. Invited Editor for Special Issue Malaysian Journal Analytical Sciences (MJAS) (Scopus Indexed)
2. Reviewer for Australian Journal of Chemistry (CSIRO) (Scopus Indexed)
3. Reviewer for Analytical Methods Journal (Royal Society of Chemistry, RSC) (ISI Indexed)

Non-academic activities/Alumni

4. University of Tasmania Alumni
5. Universiti Teknologi Malaysia Alumni
6. Alumni Lambaian member (society club under Alumni Universiti Teknologi Malaysia)

Publications

Indexed Journals

1. Michael C. Breadmore, Ria Marni Tubaon, Aliaa I. Shallan, Sui Ching Phung, **Aemi S. Abdul Keyon**, Daniel Gstoettenmayr, Pornpan Prapatpong, Ala Alhusban, Leila Ranjbar, Hong Heng See, Mohamed Dawod, Joselito P. Quirino (2015), "Recent advances in enhancing the sensitivity of electrophoresis and electrochromatography in capillaries and microchips (2012 – 2014)", *Electrophoresis*, 36 (1), 36-61, **(Impact factor: 3.03)**
2. **Aemi S. Abdul Keyon**, Rosanne Guijt, Chris Bolch, Michael C. Breadmore (2014) "Droplet Microfluidics for Post-Column Reactions in Capillary Electrophoresis", *Analytical Chemistry*, 86, 11811-11818 **(Impact factor: 5.8)**
3. **Aemi S. Abdul Keyon**, Rosanne Guijt, Chris Bolch, Michael C. Breadmore (2014) "Transient Isotachopheresis-Capillary Zone Electrophoresis for The Analysis of Paralytic Shellfish Toxins" *Journal of Chromatography A*, 1364, 295-302 **(Impact factor: 4.2)**
4. **Aemi S. Abdul Keyon**, Rosanne Guijt, Chris Bolch, Michael C. Breadmore (2014) "Capillary Electrophoresis for The Analysis of Paralytic Shellfish Toxins: Comparison of Detection Methods" *Electrophoresis*, 35, 1496-1503, **(Impact factor: 3.2)**

5. Michael C. Breadmore, Aliaa I. Shallan, Heide R. Rabanes, Daniel Gstoettenmayr, **Aemi S. Abdul Keyon**, Andras Gaspar, Mohamed Dawod, Joselito P. Quirino (2013), "Recent advances in enhancing the sensitivity of electrophoresis and electrochromatography in capillaries and microchips (2010 – 2012)", *Electrophoresis*, 34 (1), 29-54, **(Impact factor: 3.2)**
6. Wan Ibrahim, W.A., **Abdul Keyon, A.S.**, Prastomo, N. and Matsuda, A. (2011), "Synthesis and Characterization of Polydimethylsiloxane-cyanopropyltriethoxysilane-derived Hybrid Coating for Stir Bar Sorptive Extraction", *J. Sol-Gel Sci. Techn*, 59 (1), 128-134 **(Impact factor: 1.63)**
7. Wan Ibrahim, W.A., Wan Ismail, W.N., **Abdul Keyon, A.S.**, Sanagi, M.M. (2011), "Preparation And Characterization Of A New Sol-Gel Hybrid Based Tetraethoxysilane-Polydimethylsiloxane As A Stir Bar Extraction Sorbent Materials", *J. Sol-Gel Sci. Techn*, 58 (3), 602-611 **(Impact factor: 1.63)**

Awards/Distinctions

1. CITRA KARISMA 2015-MAJLIS ANUGERAH KECEMERLANGAN DAN PENGHARGAAN UTM 2015 (Anugerah Perkhidmatan Cemerlang 2014)
2. MTE 2011 Silver Medal Award (17-19th February 2011), NSGem: Novel Sol-Gel Material for Microextraction, Inventors: Prof. Dr. Wan Aini Wan Ibrahim (Head Researcher), Hadijah Farhani, Prof. Dr. Mohd Marsin Sanagi, **Aemi Syazwani Abdul Keyon** (Category V)
3. MTE 2011 Silver Medal Award (17-19th February 2011), EcoSMEKC: Dual Chiral Selectors for Modified Micellar Electrokinetic Chromatography of triazole, Inventors: Prof. Dr. Wan Aini Wan Ibrahim (Head Researcher), Susanti, Dr Dadan Hermawan, Prof. Dr. Mohd Marsin Sanagi, **Aemi Syazwani Abdul Keyon** (Category V)
4. MTE 2011 Bronze Medal Award (17-19th February 2011), NSGem: Novel Sol-Gel Material for Microextraction, Inventors: Prof. Dr. Wan Aini Wan Ibrahim (Head Researcher), Hadijah Farhani, Prof. Dr. Mohd Marsin Sanagi, **Aemi Syazwani Abdul Keyon** (Category Q)
5. INATEX 2010 Gold Medal Award (5-7 August 2010)- Novel Sol-Gel Hybrid Sorbent Material for Sorptive Extraction. Inventors: Prof. Dr. Wan Aini Wan Ibrahim (Head Researcher), Hadijah Farhani, Prof. Dr. Mohd Marsin Sanagi, **Aemi Syazwani Abdul Keyon**.
6. MOE Scholarship Award (SLAI)(AUSTRALIA), 2011-2014 (PhD)
7. MOE Scholarship Award (SLAI (MALAYSIA), 2009-2011 (MSc)

8. MARA Scholarship Award (UTM), 2005-2008 (BSc)
9. MARA Scholarship Award (UTM), 2005 (A-level)