

DITERIMA

22 DEC 2012

AKADEMI SAINS MALAYSIA

Awg Bulgiba Awg Mahmud

Current position

Deputy Vice-Chancellor (Research & Innovation) & Professor of Public Health,
University of Malaya

Previous administrative positions

Manager, Nadi IT, UMMC (24 July 2000-30 June 2001)
Head, Department of Social and Preventive Medicine, Faculty of Medicine, University of Malaya (1 Sept 2006-31 Aug 2009)
Deputy Dean (Undergraduate and Diploma), Faculty of Medicine, University of Malaya (1 Sept 2009-8 July 2011)
Director, Global Planning and Strategy Centre, University of Malaya (1 July 2011-15 Aug 2012)
Head, Julius Centre University of Malaya (1 Jan 2008-27 May 2012)

Work experience

House Officer, Hosp. P. Pinang (1 August 1988-July 1989)
Medical Officer, Hosp. P. Pinang (1 August 1989-30 September 1990)
Medical Officer, University Hospital (1 October 1990-30 September 1992)
Medical Officer, Hosp. Sungai Bakap (1 October 1992-30 June 1993)
Medical and Health Officer, Pejabat Kesihatan Seberang Perai Selatan (1 July 1993-30 June 1995)
MPH student (1 July 1995-30 June 1996)
Health Officer, Public Health Institute (15 July 1996-15 Jan 1998)
Systems Administrator, Public Health Institute (Dec 1996-Jan 1998)
Lecturer, Department of Social and Preventive Medicine, University of Malaya (16 Jan 1998- current)
Manager, Nadi IT, UMMC (24 July 2000-30 June 2001)
PhD student (17 September 2001-16 September 2005)
Head, Department of Social and Preventive Medicine, Faculty of Medicine, University of Malaya (1 Sept 2006-31 Aug 2009)
Deputy Dean (Undergraduate and Diploma), Faculty of Medicine, University of Malaya (1 Sept 2009-30 June 2011)

Promotions

Promoted to Associate Professor 31 October 2002.
Promoted to Professor 1 January 2008

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Field of specialisation

Medical Statistics
Epidemiology
Medical Informatics

Gender

Male

Academic qualifications

MBBS (University of Malaya, 1988)
MPH (University of Malaya, 1996)
MAppStat (University of Malaya, 2003)
PhD (University of East Anglia, 2006)
Member (Academy of Medicine, Malaysia, 2008)
Fellow (Faculty of Public Health, Royal College of Physicians, UK, 2010)
Fellow of Public Health Medicine Malaysia (Malaysian Public Health Physicians Association, 2012)

External examiner

Master of Medical Statistics 2008 (Universiti Sains Malaysia)
Master of Science 2008 (Universiti Putra Malaysia)
Master of Medical Statistics 2009 (Universiti Sains Malaysia)
PhD (Medical Statistics) 2009 (Universiti Sains Malaysia)
MBBS 2009 (International Medical University)
PhD (Computer Science) 2010-12 (Universiti Teknologi Mara)

Master of Health Development 2011 (Clinical Epidemiology) (Chulalongkorn University)

External assessor for promotion

Associate Professor 2008 (Universiti Sains Malaysia)

Associate Professor 2009 (Universiti Sains Malaysia)

Associate Professor 2009 (International Medical University)

Associate Professor 2011 (Universiti Brunei Darussalam)

Brief history

Dr Awang Bulgiba graduated with a Bachelor of Medicine and Bachelor of Surgery (MBBS) from the University of Malaya (UM) in 1988 and has served in the public health sector in various capacities. In 1996, he graduated with a Master of Public Health from his alma mater. He served in the Ministry of Health (MOH), Malaysia in various capacities from 1988 to 1997 before joining the University of Malaya as a lecturer in 1998. His last post in the Ministry of Health was as a teaching staff in the Public Health Institute. During his time in the MOH, Dr Awang Bulgiba developed a keen interest in Health Informatics and helped to develop the Public Health Institute's computer network and facilities. In 1997 he helped organise Malaysia's first National Conference on IT in the Health Sector. His interest in this field was further developed when he joined the University of Malaya (UM) in 1998 as a lecturer in the Department of Social and Preventive Medicine. He helped further develop the computing and networking facilities for his department and set up the SPM Department website (<http://spm.um.edu.my>) in 1999 which was the first department website for UM's medical faculty. The website also enabled the department to increase its visibility internationally, the result of which was an increasing trend of international applicants for public health degree programmes in the University of Malaya. During this time, he gained a second Masters degree, this time in Applied Statistics and as a result is widely recognised in Malaysia as a medical statistics consultant. In recognition of his interest in Health Informatics, he was appointed as manager for the UMMC (University of Malaya Medical Centre) IT Unit in July 2000 while still holding his job as a lecturer. During his tenure as IT manager, the Hospital Information System (HIS) was revised, the Pharmacy Information System (PIS) was set up and e-prescribing was introduced to the hospital for the first time. He oversaw the successful interface of three disparate hospital systems (Hospital Information System, Lab Information System and Pharmacy Information System) and laid down the foundations for future IT development in the UMMC. In recognition of the increasing importance of Medical and Health Informatics, Dr Awang Bulgiba completed a PhD in Medical Informatics at the University of East Anglia, United Kingdom in 2006. He is the first Malaysian doctor to qualify with a PhD in this field. His PhD thesis centred on comparing statistical and neural network techniques in the diagnosis of chest pain. In 2010, in recognition of his contributions to public health, Dr Awang Bulgiba was made a Fellow of the Faculty of Public Health, Royal College of Physicians, UK (by distinction), one of only a handful of

fellows from South-East Asia and in 2012, he was made a Fellow of Public Health Medicine Malaysia by the Malaysian Public Health Physicians Society.

Dr Awang Bulgiba was promoted to Associate Professor in October 2002 and Professor in January 2008. His rise from ordinary lecturer to full Professor took just 10 years, a record in the Department of Social and Preventive Medicine. In September 2006, he was appointed as Head for the Department of Social and Preventive Medicine, a position he held until 31 August 2009. During his tenure as Head of the Department, he spearheaded the revamp of the MPH (Master of Public Health) programme, introduced the DrPH (Doctor of Public degree) and set up two research centres in the department – the Julius Centre UM and Centre for Population Health. He also strived to link the department up with several public health and epidemiology departments around the world, which includes links with the Julius Centre in the University Medical Centre Utrecht, Centre for Evidence-Based Medicine in the University of Oxford, the Rumah Sakit Cipto Mangunkusumo in Jakarta, Centre for Public Health in Queen's University Belfast, the Department of Community Medicine in the United Arab Emirates University, Leeds University and National University of Singapore. These links culminated in one of the last of the Asia-Link projects awarded by the European Commission, namely in clinical epidemiology and evidence-based medicine as well as very strong collaborations in the area of cancer research. On 1 Sept 2009, Dr Awang Bulgiba was appointed as Deputy Dean for Undergraduate and Diploma programmes, a position he held until 30 June 2011. During his deputy deanship, he was responsible for initiating an overhaul of the medical curriculum, pushing e-learning on a large scale, creating an online scheduling system, an elective system and modernising the diploma programmes. On 1 July 2011, Dr Awang Bulgiba was appointed as Director of the Centre for Global Planning and Strategy for the University of Malaya, a position he held until 15 August 2012. During his tenure as director, the centre successfully managed the audit which awarded to UM autonomous university status (one of 5 public universities in Malaysia to achieve this), the UM Strategic Plan was totally revised, an Executive Information System was set up, the Academic Icon Programme was streamlined, UM KPIs were revamped, an entirely new set of UM Excellence Awards were introduced and a radically new UM Management structure was proposed. On 16 August 2012, Dr Awang Bulgiba was appointed as Deputy Vice-Chancellor (Research and Innovation) for the University of Malaya.

Dr Awang Bulgiba is an Associate Editor for the Asia Pacific Journal of Public Health and Malaysian Orthopaedic Journal as well as an International Advisory Board member for the Journal of Experimental & Clinical Medicine. He is also an ad hoc statistical reviewer for numerous medical journals (Asia-Pacific Journal of Public Health, International Journal of Cardiology, The Lancet, Journal of Healthcare Engineering, Medical Journal of Malaysia, Malaysian Orthopaedic Journal, Journal of University of Malaya Medical Centre, Journal of Health Management, Journal of Experimental and Clinical Medicine, and Medical and Health Reviews). An advocate for improving scientific papers in public health clinical medicine, he continues to be a resource person in this regard, being called upon every year to help conduct workshops on scientific writing.

Dr Awang Bulgiba has been a consultant for the Malaysian AIDS Council as well as for several private companies. He currently sits on the Research Committee of the Malaysian Health Promotion Board, Project Monitoring Team for the Ministry of Science, Technology and Innovation, HICoE (Service Thrust) Committee for the Ministry of Higher Education as well as several other committees within and outside the University of Malaya. Dr Awang Bulgiba has been an external examiner for several public Malaysian universities as well as the International Medical University. He has also been an external assessor for promotion in Malaysian and Brunei universities. Dr Awang Bulgiba was the founding head of the Julius Centre University of Malaya (JCUM), the leading centre for Clinical Epidemiology and Evidence-Based Medicine in Malaysia from its creation in January 2008 until he stepped down on 27 May 2012. He also created the Centre for Population Health in the University of Malaya in 2009. He was, from 2007-2009, the Chair for the University of Malaya Wellness Programme. From 2007 to 2010, he was the Malaysian coordinator for the Asia-Link Clinical Epidemiology and Evidence-Based Medicine Programme, a project supported by the European Commission from 2007 to 2010. In 2008, Dr Awang Bulgiba was the Organising Chair for the 40th Asia-Pacific Academic Consortium for Public Health (APACPH) Conference in Kuala Lumpur (7-9 Nov 2008) which was organised in a record 10 weeks from inception to actual conference. He was also the Organising Chair for the 1st Asia Pacific Clinical Epidemiology and Evidence-Based Conference (6-8 July 2012). Dr Awang Bulgiba has published more than 50 peer-reviewed journal articles and numerous conference abstracts and is currently Principal Investigator in a few research projects, one of which is a RM2.5 million (US\$800,000) High Impact Research Grant Project. He has supervised to completion a total of 18 postgraduates in public health and is currently a supervisor/advisor for 14 Doctoral students, of whom 4 are international.

Recent Journal Publications

1. Zaki R, Bulgiba A, Ismail R, Ismail NA. Statistical methods used to test for agreement of medical instruments measuring continuous variables in method comparison studies: a systematic review. *PLoS One* 2012;7(5):e37908.
2. Widyahening IS, van der Heijden GJ, Moy FM, van der Graaf Y, Sastroasmoro S, Bulgiba A. Direct short-term effects of EBP teaching: change in knowledge, not in attitude; a cross-cultural comparison among students from European and Asian medical schools. *Medical education online* 2012;17:1-6.
3. Ting Su A, Darus A, Bulgiba A, Maeda S, Miyashita K. The Clinical Features of Hand-arm Vibration Syndrome in a Warm Environment - A Review of the Literature. *Journal of occupational health* 2012.
4. Rampal S, Mahadeva S, Guallar E, Bulgiba A, Mohamed R, Rahmat R, et al. Ethnic differences in the prevalence of metabolic syndrome: results from a multi-ethnic population-based survey in malaysia. *PLoS One* 2012;7(9):e46365.
5. Lahsasna A, Ainon RN, Zainuddin R, Bulgiba A. Design of a Fuzzy-based Decision Support System for Coronary Heart Disease Diagnosis. *J Med Syst* 2012.

6. Khambalia AZ, Lim SS, Gill T, Bulgiba AM. Prevalence and sociodemographic factors of malnutrition among children in Malaysia. *Food and nutrition bulletin* 2012;33(1):31-42.
7. Gill P, Choo W, Bulgiba A. How useful is clinical scoring in reducing the need for gestational diabetes screening? *International Journal of Diabetes in Developing Countries* 2012:1-6.
8. Bhoo-Pathy N, Yip CH, Hartman M, Saxena N, Taib NA, Ho GF, et al. Adjuvant! Online is overoptimistic in predicting survival of Asian breast cancer patients. *Eur J Cancer* 2012;48(7):982-9.
9. Bhoo-Pathy N, Hartman M, Yip C-H, Saxena N, Taib NA, Lim S-E, et al. Ethnic Differences in Survival after Breast Cancer in South East Asia. *PLoS ONE* 2012;7(2):e30995.
10. Apalasamy YD, Ming MF, Rampal S, Bulgiba A, Mohamed Z. Association of melanocortin-4 receptor gene polymorphisms with obesity-related parameters in Malaysian Malays. *Annals of human biology* 2012.
11. Apalasamy YD, Ming MF, Rampal S, Bulgiba A, Mohamed Z. Genetic association of SNPs in the FTO gene and predisposition to obesity in Malaysian Malays. *Brazilian journal of medical and biological research* 2012.
12. Ainon RN, Bulgiba AM, Lahsasna A. AMI Screening Using Linguistic Fuzzy Rules. *J Med Syst* 2012;36(2):463-73.
13. Yagoub U, Bulgiba AM, Didi EM, Mustafa AM, Peramalah D, Lee C, et al. Validation and analysis of Efavirenz in human plasma using high-performance liquid chromatographic-mass spectrometric (LC-MS-MS). *IJNPPS* 2011;2(2):10.
14. Wee LH, West R, Bulgiba A, Shahab L. Predictors of 3-month abstinence in smokers attending stop-smoking clinics in malaysia. *Nicotine Tob Res* 2011;13(2):151-6.
15. Wee LH, Shahab L, Bulgiba A, West R. Stop smoking clinics in Malaysia: characteristics of attendees and predictors of success. *Addict Behav* 2011;36(4):400-3.
16. Wee LH, Shahab L, Bulgiba A, West R. Conflict About Quitting Predicts the Decision to Stop Smoking Gradually or Abruptly: Evidence From Stop Smoking Clinics in Malaysia. *Journal of Smoking Cessation* 2011;6(1):8.
17. Wee BS, Poh BK, Bulgiba A, Ismail MN, Ruzita AT, Hills AP. Risk of metabolic syndrome among children living in metropolitan Kuala Lumpur: a case control study. *BMC Public Health* 2011;11:333.
18. Su TA, Hoe VC, Masilamani R, Awang Mahmud AB. Hand-arm vibration syndrome among a group of construction workers in Malaysia. *Occup Environ Med* 2011;68(1):58-63.
19. Pathy NB, Yip CH, Taib NA, Hartman M, Saxena N, lau P, et al. Breast cancer in a multi-ethnic Asian setting: results from the Singapore-Malaysia hospital-based breast cancer registry. *Breast* 2011;20 Suppl 2:S75-80.
20. Moy FM, Bulgiba A. High prevalence of vitamin D insufficiency and its association with obesity and metabolic syndrome among Malay adults in Kuala Lumpur, Malaysia. *BMC Public Health* 2011;11:735.

21. Hairi NN, Bulgiba A, Mudla I, Said MA. Chronic diseases, depressive symptoms and functional limitation amongst older people in rural Malaysia, a middle income developing country. *Prev Med* 2011;53(4-5):343-6.
22. Hairi NN, Bulgiba A, Cumming RG, Naganathan V, Mudla I. Depressive symptoms, visual impairment, and its influence on physical disability and functional limitation. *J Am Geriatr Soc* 2011;59(3):557-9.
23. Dahlui M, Ramli S, Bulgiba AM. Breast cancer prevention and control programs in Malaysia. *Asian Pac J Cancer Prev* 2011;12(6):1631-4.
24. Dahlui M, Ng C, Al-Sadat N, Ismail S, Bulgiba A. Is breast self examination (BSE) still relevant? A study on BSE performance among female staff of University of Malaya. *Asian Pac J Cancer Prev* 2011;12(2):369-72.
25. Bhoo Pathy N, Yip CH, Taib NA, Hartman M, Saxena N, Iau P, et al. Breast cancer in a multi-ethnic Asian setting: Results from the Singapore-Malaysia hospital-based breast cancer registry. *Breast* 2011.
26. Apalasamy YD, Ming MF, Rampal S, Bulgiba A, Mohamed Z. Gender-Dependent Association of a beta2- Adrenergic Gene Variant With Obesity Parameters in Malaysian Malays. *Asia Pac J Public Health* 2011.
27. Moy FM, Bulgiba A. The modified NCEP ATP III criteria maybe better than the IDF criteria in diagnosing Metabolic Syndrome among Malays in Kuala Lumpur. *BMC Public Health* 2010;10:678.
28. Maizura H, Retneswari M, Moe H, Hoe VC, Bulgiba A. Job strain among Malaysian office workers of a multinational company. *Occup Med (Lond)* 2010;60(3):219-24.
29. Hairi NN, Bulgiba A, Cumming RG, Naganathan V, Mudla I. Prevalence and correlates of physical disability and functional limitation among community dwelling older people in rural Malaysia, a middle income country. *BMC Public Health* 2010;10:492.
30. Bulgiba AM, Dahlui M. Developing global public health links in southeast Asia. *Asia Pac J Public Health* 2010;22(3 Suppl):14S-18S.
31. Bhoo Pathy N, Peeters P, van Gils C, Beulens JW, van der Graaf Y, Bueno-de-Mesquita B, et al. Coffee and tea intake and risk of breast cancer. *Breast Cancer Res Treat* 2010;121(2):461-7.
32. Noran NH, Izzuna MG, Bulgiba AM, Mimiwati Z, Ayu SM. Severity of visual impairment and depression among elderly Malaysians. *Asia Pac J Public Health* 2009;21(1):43-50.
33. Kamaliah MN, Jaafar S, Ehsan FZ, Safiee I, Ismail F, Saleh NM, et al. Facilitating equity and efficiency in Malaysian primary health care through the application of the ACG(R) case mix system. *BMC Health Services Research* 2009;9(Suppl 1):A7.
34. Yusoff N, Jaafar N, Razak IA, Chew YY, Ismail N, Bulgiba AM. The prevalence of enamel opacities in permanent teeth of 11-12 year-old school children in Kuala Lumpur, Malaysia. *Community Dent Health* 2008;25(1):55-8.
35. Saw A, Manimaran S, Faizal S, Bulgiba AM. Use of radiographic densitometry to predict the Bone Healing Index in distraction osteogenesis. *Malaysian Orthopaedic Journal* 2008;2(1):5.

36. Khoo SP, Yap AU, Chan YH, Bulgiba AM. Translating the Research Diagnostic Criteria for Temporomandibular Disorders into Malay: evaluation of content and process. *J Orofac Pain* 2008;22(2):131-8.
37. Al-Bayaty FH, Wahid NA, Bulgiba AM. Tooth mortality in smokers and nonsmokers in a selected population in Sana'a, Yemen. *J Periodontal Res* 2008;43(1):9-13.
38. Yong SM, Saw A, Sengupta S, Bulgiba AM. Bone overgrowth after fracture of the femoral shaft in children. *Malaysian Orthopaedic Journal* 2007;1(1).
39. Bulgiba AM, Fisher MH. Using neural networks and just nine patient-reportable factors of screen for AMI. *Health Informatics J* 2006;12(3):213-25.
40. Bulgiba AM. Diagnosing angina using a simple neural network architecture. *J Univ Malaya Med Centre* 2006;9(1):39-43.
41. Al-Bayaty FH, Wahid NA, Bulgiba AM, Al-Bayaty MA. Tooth mortality in a selected population in Sanaa. *Dentika Dental Journal* 2006;11(2):144-50.
42. Bulgiba AM, Razaz M. How well can signs and symptoms predict AMI in the Malaysian population? *Int J Cardiol* 2005;102(1):87-93.
43. Bulgiba AM. Are examination findings important in screening for angina in the Malaysian patient? *Prev Med* 2005;40(6):696-701.
44. Bulgiba AM. Information technology in health care - what the future holds. *Asia Pac J Public Health* 2004;16 (1):64-71.
45. Bulgiba AM, Noran MH. IT usage, perceptions and literacy of medical students. *Asia Pac J Public Health* 2003;15(2):127-34.
46. Vasudevan AE, Goh KL, Bulgiba AM. Impairment of psychomotor responses after conscious sedation in cirrhotic patients undergoing therapeutic upper GI endoscopy. *Am J Gastroenterol* 2002;97(7):1717-21.
47. Mahmud AB, Rohani K, Rasiah RI, Ahmad E. Improving Internet access in the UMMC - A Nadi IT innovation. *J Univ Malaya Med Centre* 2000;5(2):93-97.
48. Mahmud AB. Developing a department website - the Department of Social and Preventive Medicine experience. *J Univ Malaya Med Centre* 2000;5(1):36-40.
49. Mahmud AB, Sallam AA. Analysis of birth weight data from the Malaysian Family Life Survey II. *Asia Pac.J Public Health* 1999;11(2):71-76.

Chapters in books and book publication

1. Hairi, N. N., Bulgiba, A., Tee, G. H., & Mudla, I. (2012). Sarcopenia in older people In C. S. Atwood (Ed.), *Geriatrics* (pp. 29). Rijeka, Croatia: InTech.
2. Hairi, N. N., Tee, G. H., Bulgiba, A., & Mudla, I. (2012). Physical function in older people In C. S. Atwood (Ed.), *Geriatrics* (pp. 3). Rijeka, Croatia: InTech.
3. Wee, L. H., & Bulgiba, A. (2010). *The psychological process and factors related to smoking cessation*. : Ministry of Health Malaysia.

Recent Proceedings

1. Bulgiba A. Internationalisation of Malaysian higher education. Australian International Education Conference 2011. Adelaide, Australia. 11-14 Oct 2012.
2. Wee LH, Shahab L, Bulgiba A, West R. Predictors of short-term quit success in smokers attending Malaysian smokers' clinics. Proceedings of the 42nd Asia Pacific Academic Consortium for Public Health (APACPH) Conference: p556. Bali, Indonesia. 24-27 Nov 2010.
3. Ismail N, Bulgiba AM, Nagelkerke N, Awang O. Isoniazid for preventing tuberculosis among non-HIV population in Malaysia. Proceedings of the Asia Link International Conference on Clinical Epidemiology and Evidence-Based Medicine: p88-89. Bali, Indonesia. 27-28 Nov 2010.
4. Ismail N, Bulgiba AM, Nagelkerke N, Awang O. Teaching Infectious Disease Modelling in Postgraduate Public Health Training Programme in Malaysia. Proceedings of the 42nd Asia Pacific Academic Consortium for Public Health (APACPH) Conference: p53. Bali, Indonesia. 24-27 Nov 2010.
5. Zaki RA, Bulgiba A, Ismail NA. Sample size for Bland-Altman analysis in validation study. Proceedings of the Asia Link International Conference on Clinical Epidemiology and Evidence-Based Medicine: p122-123. Bali, Indonesia. 27-28 Nov 2010.
6. Zaki RA, Bulgiba A, Nordin NS, Ismail NA. Knowledge on methods of validation study in medicine. Proceedings of the 42nd Asia Pacific Academic Consortium for Public Health (APACPH) Conference: p56. Bali, Indonesia. 24-27 Nov 2010.
7. Lubis R, Bulgiba A, Kamarulzaman A, Hairi NN, Peramalah D. Progression to AIDS in HIV patients seen in the University of Malaya Medical Centre. Proceedings of the Asia Link International Conference on Clinical Epidemiology and Evidence-Based Medicine: p84-85. Bali, Indonesia. 27-28 Nov 2010.
8. Lubis R, Bulgiba A, Kamarulzaman A, Hairi NN, Peramalah D. Determinants of progression to death after AIDS diagnosis in University of Malaya Medical Centre, Kuala Lumpur. Proceedings of the 42nd Asia Pacific Academic Consortium for Public Health (APACPH) Conference: p122. Bali, Indonesia. 24-27 Nov 2010.
9. Mohammed UY, Bulgiba A, Chik Z, Lee C, Peramalah D. Measuring adherence to Highly Active Anti-Retroviral Treatment (HAART) in HIV positive patients. Proceedings of the 42nd Asia Pacific Academic Consortium for Public Health (APACPH) Conference: p123. Bali, Indonesia. 24-27 Nov 2010.
10. Zaki RA, Nordin NS, Bulgiba A, Ismail NA. Assessing methods to determine reliability of medical instruments. Proceedings of the 2nd International Conference on Quantitative Science and Its Application: p217-221. Penang, Malaysia. 2-4 Nov 2010.
11. Jayalakshmi P, Iyengar KR, Tan PH, Bulgiba A, Mun KS. An appraisal of imunostatins in breast lesions. Proceedings of 59th Annual Conference of Indian Association of Pathologists and Microbiologists (APCON 2010): Hyderabad, India. Indian Journal of Pathology and Microbiology Vol 53, Supp 1 Oct 2010.
12. Zaki RA, Bulgiba A, Roshidi I, NoorAzina I. A review of statistical methods used to assess agreement in medicine. Proceedings of the 31st Annual Conference

- of the International Society for Clinical Biostatistics: p116. Montpellier, France. 29 Aug-2 Sept 2010.
13. Saimon, R, Bulgiba A, Choo, WY. Built Environmental Factors, Adolescents' Physical Activity and Body Mass Index in Rural and Urban Neighbourhoods in Sarawak, Malaysia. Proceedings of the 6th Mixed Methods Conference, Baltimore, USA. 6-11 July 2010.
 14. Bulgiba A, Moy FM, Choo WY. Increasing the skills of medical graduates in clinical epidemiology and evidence-based medicine in Malaysia - An Asia-Link project. Proceedings of the 7th Asia Pacific Medical Education Conference, 4-8 Feb 2010, Singapore.
 15. Bulgiba A, Dahlui M. Developing global public health links in South-East Asia. Proceedings of the Global Health and the UAE: Asia-Middle East Connections Conference, 4-8 Jan 2010, Al Ain, UAE.
 16. Moy FM, Bulgiba AM. Association of serum urate with risk factors of metabolic syndrome. Proceedings of the 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2009, Taipei, Taiwan.
 17. Bulgiba AM, Lubis R, Peramalah D, Noran NH, Kamarulzaman A. Survival of HIV patients in the University of Malaya Medical Centre, Kuala Lumpur. Proceedings of the 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2009, Taipei, Taiwan.
 18. Masilamani R, Darus A, Ting AS, Mahmud AB, Koh D. Job strain and associate factors for occupation stress among teachers in Kuala Lumpur, Malaysia. Proceedings of the 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2009, Taipei, Taiwan.
 19. Wee LH, Bulgiba A, West R. Thoughts, feelings and behaviours of clients attending smokers clinics in Malaysia. Proceedings of the 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2009, Taipei, Taiwan.
 20. Lubis R, Bulgiba AM, Noran NH, Kamarulzaman A. Characteristics of patients diagnosed with HIV/AIDS in University of Malaya Medical Centre from 1986-2008. Proceedings of the 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2009, Taipei, Taiwan.
 21. Hairi NH, Mahmud AB, Syed Shaikh SH, Mohd Ghazali I, Said MA. Depression is associated with decreased physical performance of older people. Proceedings of the 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2009, Taipei, Taiwan.
 22. Wee LH, Bulgiba A, West R. Thoughts, Feelings and Behaviours of Clients Attending Five Stop-Smoking Clinics in Malaysia. Proceedings of the Third Malaysia Conference on Tobacco Control (MCTC 2009), 8-9 Aug 2009, Kuala Lumpur, Malaysia.
 23. Wee LH, West R, Bulgiba A. Smokers beliefs and feelings about smoking and quitting during a quit attempt. Proceedings of the 2009 UK National Smoking Cessation Conference, 22-23 Jun 2009, London, United Kingdom.
 24. Wee LH, Bulgiba A, West R. Factors associated with short-term success among smokers attending stop smoking clinics in Malaysia. Proceedings of the 14th World Conference on Tobacco or Health, 8-12 Mar 2009, Mumbai, India.

25. Bulgiba AM. Challenges of internationalising public health education in Malaysia. Proceedings of the 40th Asia Pacific Academic Consortium for Public Health Conference, 7-9 Nov 2008, Kuala Lumpur, Malaysia.
26. Lubis R, Bulgiba AM, Noran NH, Kamarulzaman A. A 21-year review of HIV/AIDS patients seen in the University of Malaya Medical Centre. Proceedings of the 40th Asia Pacific Academic Consortium for Public Health Conference, 7-9 Nov 2008, Kuala Lumpur, Malaysia.
27. Wee LH, West R, Bulgiba A. Characteristics of smokers attending Malaysian Stop Smoking Clinics. Proceedings of the 40th Asia Pacific Academic Consortium for Public Health Conference, 7-9 Nov 2008, Kuala Lumpur, Malaysia.
28. Wee LH, West R, Bulgiba A. A qualitative analysis of beliefs and feelings about smoking and quitting during a quit attempt. Proceedings of the Society for Research into Nicotine and Tobacco 1st Asian Regional Conference, 28-31 Oct 2008, Bangkok, Thailand.
29. Wee LH, Bulgiba A, West R. Factors leading up to attending Stop-Smoking Clinics in Malaysia. Proceedings of The 2008 UK National Smoking Cessation Conference, 30 Jun-1 Jul 2008, Birmingham, United Kingdom.
30. Wee LH, West R, Bulgiba A. Motivational Pathways in Smoking Cessation Attempts – A Qualitative Study. Proceedings of the Conference on Behavioral Medicine, 25-27 Jan 2008, Kuala Lumpur, Malaysia.
31. Bulgiba AM. Analysis of healthcare outcomes. 12th SPSS Users Groups Conference, 15 Nov 2007, Petaling Jaya, Malaysia.
32. Bulgiba AM, Fisher MH. Screening for AMI - neural networks versus logistic regression. Proceedings of the 38th Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2006, Bangkok.
33. Bulgiba AM. Health Informatics-What the future holds (plenary at the 2nd Public Health Technical Meeting, 11-14 Jun 2006, Labuan, Malaysia).
34. Bulgiba AM. Neural networks versus multiple logistic regression in AMI diagnosis. Proceedings of the International Conference on Health Sciences 2005 [ICHS2005] 6 May 2005.
35. Bulgiba AM, Razaz M. Chest pain diagnosis using multi-layer neural networks. Proceedings of 5th International Conference on Recent Advances in Soft Computing [RASC2004], 16-18 Dec 2004, Nottingham, UK.
36. Bulgiba AM. Information technology in health care – what the future holds. Proceedings of the 34th APACPH Kuala Lumpur Conference 17-20 July 2002.

Recent Research Projects

1. The STeMM (Spatio-Temporal Modelling and Meta-analysis) Programme (Principal Investigator)
HIRGA -E000010-20001: RM2.47 million
2011-2016
2. CENASE (Comprehensive Evaluation of National Anti-Smoking Efforts) Programme (Co-Investigator)

Jazan University, Saudi Arabia: RM500,000
2012-14

3. Factors affecting adherence to anti-retroviral treatment in HIV patients in Malaysia (Principal Investigator)
UMRG/RG006/09HTM: RM222,000
2009-2012
4. Association of candidate genes predisposing to obesity in Malaysian subjects (Principal Investigator)
UMRG/RG075/09HTM: RM200,000
2009-2012
5. Identification Of Determinants For Progression To AIDS In HIV Patients Receiving Anti-Retroviral Treatment (Principal Investigator)
FP080/2006A: RM145,000
2006-09
6. Effectiveness of Disaster Management Programme Vis-a-vis Health and Socioeconomic Consequences for Affected Communities (Co-investigator)
UMRG/RG092/09HTM: RM 198,800
2009-11
7. Planning in Smoking Cessation Attempts: A Prospective and Retrospective Cohort Study in Malaysia (Co-Principal Investigator with Wee Lei Hum)
NIH Malaysia: RM1,000,000
2007-11
8. Injuries among the elderly (Co-Principal Investigator with Dr Noran Hairi)
FS048/2007A: RM50,000
2007-08
9. Malaysian HIV/AIDS Estimation Project (Co-Investigator)
EPU: RM110,000
2007-08
10. Development of a reliable questionnaire for measuring the impact of information and communication technology (ICT) for patient care in hospitals (Co-Investigator)
FS253/2007C: RM40,000
2007-08
11. Profiles and risk factors of major limb and spinal cord injury (Co-Investigator)
FS162/2007C: RM 33,000
2007-08

12. Application of Statistical and Neural Network Techniques to Chest Pain Diagnosis (Principal Investigator)
PhD project
2001-06
13. Epidemiological and Time Series Analysis of A & E Patients in UMMC (Principal Investigator)
CMB-SPM-00-01: RM10,500
2001-02
14. IT Literacy Among Students in the Medical Faculty (Principal Investigator)
F0405/2000B: RM2,000
2000-01
15. Dental Epidemiological Survey of the Prevalence of Dental Defects in 11-12 year old Primary School Children in Kuala Lumpur (collaborator)
MOH: RM50,000
1997-98
16. Mortality and Morbidity Study of Fishermen in Peninsular Malaysia (collaborator)
IRPA: RM50,000
1996
17. A KAP Study of Universal Infection Control Precautions Among Para-medics in Kuala Terengganu Hospital (Co-Principal Investigator)
MOH: RM20,000
1996
18. Analysis of Birth Weight Data From the Malaysian Family Life Survey II (Principal Investigator)
MPH project
1996

Recent Consultancies

1. R076477SCH3022 Study: An Open-label Prospective Trial to Explore the Tolerability, Safety and Efficacy of Flexibly Dosed Paliperidone ER in Subjects With Schizophrenia. Janssen-Cilag (completed)
2. RISSCH4210 Study: A Multi-center, Retrospective, Comparative Study to Investigate Drug Utilization Patterns and Treatment Period Associated with Atypical Antipsychotics treatment in Schizophrenia or Schizoaffective Disorders: Aripiprazole, Olanzapine, Quetiapine, and Risperidone. Janssen-Cilag (completed)
3. Monitoring and Evaluation Project. Malaysian AIDS Council (completed)

Works In Other Media

Started Department of Social and Preventive Medicine website in 1999. Webmaster from 1999-2001. <http://spm.um.edu.my>

List of Written Works That Have Not Been Published

1. Application of statistical and neural network techniques to chest pain diagnosis (PhD thesis)
2. ICT literacy among medical students in the University of Malaya (MAppStats dissertation)
3. Analysis of birth weight data from the Malaysian Family Life Survey II (MPH dissertation)
4. Awang Bulgiba Awang Mahmud. SPSS Basics – A guide for health professionals. 1999 (used for teaching Medical Statistics)
5. Awang Bulgiba Awang Mahmud. Statistical Computing with SPSS. 1998 (used for teaching Medical Statistics)
6. Awang Bulgiba Awang Mahmud. Statistical Computing with Epi Info. 1998 (used for teaching Medical Statistics)

Membership

1. Associate Editor, Asia Pacific Journal of Public Health
2. Editorial Board, Malaysian Orthopaedic Journal
3. International Advisory Board, Journal of Experimental and Clinical Medicine
4. Public Health Specialist Committee, National Specialist Register
5. Research Committee, Malaysian Health Promotion Board
6. HICoE Service Thrust Committee, Ministry of Higher Education
7. Project Monitoring Committee (Malaysian Cohort), Ministry of Science, Technology and Innovation
8. Life member, Academy of Medicine Malaysia
9. Malaysian Medical Association
10. Malaysian Public Health Specialists Association

Ad hoc reviewer

1. Asia Pacific Journal of Public Health (Associate Editor)
2. Journal of Experimental and Clinical Medicine (International Advisory Board)
3. Malaysian Orthopaedic Journal (Editor)
4. International Journal of Cardiology (Reviewer)
5. Medical Journal of Malaysia (Reviewer)
6. Malaysian Orthopaedic Journal (Editorial Board)
7. Journal of University of Malaya Medical Centre (Reviewer)
8. Journal of Health Management (Reviewer)
9. Medical and Health Review (Reviewer)
10. The Lancet (Reviewer)
11. Journal of Healthcare Engineering (Reviewer)

Invited speaking engagements

| No | Event | Role | Date | Venue |
|----|---|----------------------------|----------------|--|
| 1. | St Luke's Clinical Education & Research Seminar ("Advancing CE & EBM in Malaysia") | Invited speaker | 20 Oct 2012 | Hotel Laforet, Tokyo, Japan |
| 2. | International Conference on Statistics in Science, Business and Engineering Conference ("Improving population health through translational research") | Keynote speaker | 10 Sept 2012 | Awana Porto Malai Resort, Langkawi, Malaysia |
| 3. | 1 st Asia Pacific Clinical Epidemiology & Evidence-Based Medicine Conference 2012 (Roundtable "Current situation in CE & EBM") | Invited roundtable speaker | 7 July 2012 | Sunway Putra Hotel, Kuala Lumpur |
| 4. | 1 st Asia Pacific Clinical Epidemiology & Evidence-Based Medicine Conference 2012 (CE & EBM Capacity Building in the University of Malaya) | Invited symposium speaker | 7 July 2012 | Sunway Putra Hotel, Kuala Lumpur |
| 5. | Institutional Perspectives on Evidence-Based Research Evaluation Conference ("Building world class universities: The goal & the journey") | Invited speaker | 5 July 2012 | University of Malaya |
| 6. | Scientific Writing Workshop | Invited speaker | 10-11 Jan 2012 | Jazan University, Saudi Arabia |
| 7. | EndNote Workshop | Invited speaker | 8-9 Jan 2012 | Jazan University, Saudi Arabia |

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|---|-------------------------|----------------|---|
| 8. Australian International Education Conference ("The Global Future Of International Education: A Facilitated Dialogue") | Invited plenary speaker | 13 Oct 2011 | Adelaide Convention Centre |
| 9. Australian International Education Conference ("Deep Internationalisation") | Invited plenary speaker | 13 Oct 2011 | Adelaide Convention Centre |
| 10. 1st International Public Health Conference/ 18th National Public Health Colloquium ("Public Health Informatics") | Keynote speaker | 27 Sept 2011 | Legend Hotel, Kuala Lumpur |
| 11. UM-QUB Public Health Research Collaboration Symposium ("Improving population health through translational research") | Keynote speaker | 13 Jul 2011 | Fac. of Medicine, UM, Kuala Lumpur |
| 12. GCP course ("Good statistical practice") | Invited speaker | 9 Jun 2011 | Fac. of Medicine, UM, Kuala Lumpur |
| 13. Statistics for clinicians | Invited speaker | 24 Feb 2011 | Faculty of Medicine, Chulalongkorn University |
| 14. Evidence-Based Medicine ("Evidence-based Practice") | Speaker | 12 Apr 2010 | Fac. of Medicine, UM, Kuala Lumpur |
| 15. GCP course ("Good statistical practice") | Invited speaker | 16 Dec 2010 | Fac. of Medicine, UM, Kuala Lumpur |
| 16. GCP course ("Good statistical practice") | Invited speaker | 17 Jun 2010 | Fac. of Medicine, UM, Kuala Lumpur |
| 17. Evidence-Based Medicine ("Evidence-based Practice") | Speaker | 25 May 2010 | Fac. of Medicine, UM, Kuala Lumpur |
| 18. Scientific writing workshop | Invited speaker | 15-17 Dec 2009 | Fac. of Medicine, UM, Kuala Lumpur |
| 19. GCP course ("Good statistical practice") | Invited speaker | 10 Dec 2009 | Fac. of Medicine, UM, Kuala Lumpur |
| 20. Statistics and Rating Scales in Psychiatry Workshop | Invited speaker | 1 Nov 2009 | Avillion Resort, Port Dickson |
| 21. Clinical Epidemiology Workshop ("Principles of clinical research") | Speaker | 30 Sept 2009 | Fac. of Medicine, UM, Kuala Lumpur |
| 22. The "right" journal and what reviewers expect | Invited speaker | 5 Aug 2009 | Fac. of Medicine, UM, Kuala Lumpur |
| 23. Scientific writing workshop | Speaker | 24-26 Jul 2009 | Equatorial Hotel, Bangi |

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|--|---------------------------|----------------|--|
| 24. Data analysis and management using SPSS | Invited speaker | 29 Jun 2009 | UM City Campus, Kuala Lumpur |
| 25. GCP course ("Good statistical practice") | Invited speaker | 25 Jun 2009 | Faculty of Medicine, UM, Kuala Lumpur |
| 26. How to publish in ISI journals | Invited speaker | 13 Apr 2009 | Institute for Graduate Studies, UM, Kuala Lumpur |
| 27. Using EndNote X1 | Speaker | 6 May 2009 | Fac. of Medicine, UM, Kuala Lumpur |
| 28. Research methods in primary health care | Speaker | 18 Mar 2009 | Fac. of Medicine, UM, Kuala Lumpur |
| 29. Challenges of internationalising medical education in Malaysia | Invited speaker | 3 Mar 2009 | Faculty of Medicine and Health Sciences, UAE University, Al Ain, UAE |
| 30. Medical publication course for clinicians | Invited speaker | 17 Jan 2009 | Fac. of Medicine, UM, Kuala Lumpur |
| 31. Logistic regression for medical research | Sole speaker | 14-16 Jan 2009 | Fac. of Medicine, UM, Kuala Lumpur |
| 32. Statistics for psychiatrists | Invited speaker | 13 Dec 2008 | Damai Laut Swiss-Garden, Lumut |
| 33. GCP course ("Good statistical practice") | Invited speaker | 4 Dec 2008 | Faculty of Medicine, UM, Kuala Lumpur |
| 34. National Public Health Conference Pre-Conference workshop | Invited speaker | 12 Nov 2008 | Berjaya Times Square, Kuala Lumpur |
| 35. 40 th APACPH Kuala Lumpur Conference | Invited symposium speaker | 7-9 Nov 2008 | Renaissance Kuala Lumpur |
| 36. NIH Conference Pre-Conference workshop | Invited speaker | 23 Oct 2008 | Public Health Institute, Kuala Lumpur |
| 37. Using EndNote X1 workshop | Invited speaker | 20 Oct 2008 | Fac. of Medicine, UM, Kuala Lumpur |
| 38. Statistics for clinicians | Invited speaker | 16-17 Aug 2008 | Fac. of Medicine, UNIMAS, Kuching |
| 39. GCP course ("Good statistical practice") | Invited speaker | 26 Jun 2008 | Faculty of Medicine, UM, |

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|---|-------------------------|----------------|---------------------------------------|
| 40. SPSS workshop | Invited speaker | 21-22 Jun 2008 | Faculty of Medicine, UM, Kuala Lumpur |
| 41. Multiple logistic regression workshop | Invited speaker | 27-28 Mar 2008 | SPSS Malaysia, Kuala Lumpur |
| 42. Biomedical Publication | Invited speaker | 10 May 2008 | Fac. of Medicine, UM, Kuala Lumpur |
| 43. Using EndNote X1 workshop | Invited speaker | 07 May 2008 | Fac. of Medicine, UM, Kuala Lumpur |
| 44. Scientific writing workshop | Invited speaker | 27 Apr 2008 | GEMS Beach Resort, Kuala Terengganu |
| 45. Scientific writing workshop | Invited speaker | 31 Jul 2007 | Kingwood Hotel, Sibu |
| 46. Scientific writing workshop | Invited speaker | 23-24 Jul 2007 | Fac. of Medicine, UM, Kuala Lumpur |
| 47. 2nd Public Health Technical Meeting | Invited plenary speaker | 11-14 Jun 2006 | Ujana Kewangan Centre, Labuan |
| 48. Scientific writing workshop | Invited speaker | 28-29 Nov 2005 | Awana, Genting Highlands |
| 49. Statistics for clinicians course | Invited speaker | 25-27 Jun 2005 | Malaysia Hall, London |
| 50. 34 th APACPH Kuala Lumpur Conference | Speaker | 18-20 Jul 2002 | Hilton, Petaling Jaya |
| 51. Dept of Physiology seminar series | Invited speaker | 28 Jul 2001 | Fac. of Medicine, UM, Kuala Lumpur |
| 52. Workshop on management of psychiatric beds in the Klang Valley | Invited speaker | 23 Feb 2001 | Fac. of Medicine, UM, Kuala Lumpur |
| 53. Research Methods | Invited speaker | 23-25 Oct 2000 | Fac. of Medicine, UM, Kuala Lumpur |
| 54. Problem-based learning in the New Integrated Curriculum Training Workshop | Facilitator | 7-8 Jul 2000 | Fac. of Medicine, UM, Kuala Lumpur |
| 55. Basic Statistics for Clinical Dentistry | Invited speaker | 12-14 Apr 2000 | Fac. of Dentistry, UM, Kuala Lumpur |
| 56. Management of Food and Waterborne Outbreak Seminar | Invited speaker | 6-8 Mar 2000 | Pantai Merdeka Resort, Kedah |

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|--|-----------------|----------------|--|
| 57. Short Course in Medical Statistics | Invited speaker | 3-5 Nov 1999 | Hospital Pulau Pinang |
| 58. Short course in statistics | Invited speaker | 07-Sep-1999 | Fac. of Medicine, UM, Kuala Lumpur |
| 59. Basic Course in Medical Statistics for Clinicians | Invited speaker | 7-8 July 1998 | Hospital Melaka |
| 60. Research Skills in Family Medicine | Invited speaker | 20-28 Mar 1998 | Faculty of Medicine, UKM, Kuala Lumpur |
| 61. Clinical Biostatistics with Microcomputer Applications | Invited speaker | 19-22 Jan 1998 | Faculty of Medicine, UKM, Kuala Lumpur |

Publication list

Journal publications

1. Zaki R, Bulgiba A, Ismail R, Ismail NA. Statistical methods used to test for agreement of medical instruments measuring continuous variables in method comparison studies: a systematic review. *PLoS One* 2012;7(5):e37908.
2. Widyahening IS, van der Heijden GJ, Moy FM, van der Graaf Y, Sastroasmoro S, Bulgiba A. Direct short-term effects of EBP teaching: change in knowledge, not in attitude; a cross-cultural comparison among students from European and Asian medical schools. *Medical education online* 2012;17:1-6.
3. Ting Su A, Darus A, Bulgiba A, Maeda S, Miyashita K. The Clinical Features of Hand-arm Vibration Syndrome in a Warm Environment - A Review of the Literature. *Journal of occupational health* 2012.
4. Rampal S, Mahadeva S, Guallar E, Bulgiba A, Mohamed R, Rahmat R, et al. Ethnic differences in the prevalence of metabolic syndrome: results from a multi-ethnic population-based survey in malaysia. *PLoS One* 2012;7(9):e46365.
5. Lahsasna A, Ainon RN, Zainuddin R, Bulgiba A. Design of a Fuzzy-based Decision Support System for Coronary Heart Disease Diagnosis. *J Med Syst* 2012.
6. Khambalia AZ, Lim SS, Gill T, Bulgiba AM. Prevalence and sociodemographic factors of malnutrition among children in Malaysia. *Food and nutrition bulletin* 2012;33(1):31-42.
7. Gill P, Choo W, Bulgiba A. How useful is clinical scoring in reducing the need for gestational diabetes screening? *International Journal of Diabetes in Developing Countries* 2012:1-6.
8. Bhoo-Pathy N, Yip CH, Hartman M, Saxena N, Taib NA, Ho GF, et al. Adjuvant! Online is overoptimistic in predicting survival of Asian breast cancer patients. *Eur J Cancer* 2012;48(7):982-9.
9. Bhoo-Pathy N, Hartman M, Yip C-H, Saxena N, Taib NA, Lim S-E, et al. Ethnic Differences in Survival after Breast Cancer in South East Asia. *PLoS ONE* 2012;7(2):e30995.
10. Apalasamy YD, Ming MF, Rampal S, Bulgiba A, Mohamed Z. Association of melanocortin-4 receptor gene polymorphisms with obesity-related parameters in Malaysian Malays. *Annals of human biology* 2012.
11. Apalasamy YD, Ming MF, Rampal S, Bulgiba A, Mohamed Z. Genetic association of SNPs in the FTO gene and predisposition to obesity in Malaysian Malays. *Brazilian journal of medical and biological research* 2012.
12. Ainon RN, Bulgiba AM, Lahsasna A. AMI Screening Using Linguistic Fuzzy Rules. *J Med Syst* 2012;36(2):463-73.
13. Yagoub U, Bulgiba AM, Didi EM, Mustafa AM, Peramalah D, Lee C, et al. Validation and analysis of Efavirenz in human plasma using high-performance liquid chromatographic-mass spectrometric (LC-MS-MS). *IJNPPS* 2011;2(2):10.
14. Wee LH, West R, Bulgiba A, Shahab L. Predictors of 3-month abstinence in smokers attending stop-smoking clinics in malaysia. *Nicotine Tob Res* 2011;13(2):151-6.
15. Wee LH, Shahab L, Bulgiba A, West R. Stop smoking clinics in Malaysia: characteristics of attendees and predictors of success. *Addict Behav* 2011;36(4):400-3.

16. Wee LH, Shahab L, Bulgiba A, West R. Conflict About Quitting Predicts the Decision to Stop Smoking Gradually or Abruptly: Evidence From Stop Smoking Clinics in Malaysia. *Journal of Smoking Cessation* 2011;6(1):8.
17. Wee BS, Poh BK, Bulgiba A, Ismail MN, Ruzita AT, Hills AP. Risk of metabolic syndrome among children living in metropolitan Kuala Lumpur: a case control study. *BMC Public Health* 2011;11:333.
18. Su TA, Hoe VC, Masilamani R, Awang Mahmud AB. Hand-arm vibration syndrome among a group of construction workers in Malaysia. *Occup Environ Med* 2011;68(1):58-63.
19. Pathy NB, Yip CH, Taib NA, Hartman M, Saxena N, lau P, et al. Breast cancer in a multi-ethnic Asian setting: results from the Singapore-Malaysia hospital-based breast cancer registry. *Breast* 2011;20 Suppl 2:S75-80.
20. Moy FM, Bulgiba A. High prevalence of vitamin D insufficiency and its association with obesity and metabolic syndrome among Malay adults in Kuala Lumpur, Malaysia. *BMC Public Health* 2011;11:735.
21. Hairi NN, Bulgiba A, Mudla I, Said MA. Chronic diseases, depressive symptoms and functional limitation amongst older people in rural Malaysia, a middle income developing country. *Prev Med* 2011;53(4-5):343-6.
22. Hairi NN, Bulgiba A, Cumming RG, Naganathan V, Mudla I. Depressive symptoms, visual impairment, and its influence on physical disability and functional limitation. *J Am Geriatr Soc* 2011;59(3):557-9.
23. Dahlui M, Ramli S, Bulgiba AM. Breast cancer prevention and control programs in Malaysia. *Asian Pac J Cancer Prev* 2011;12(6):1631-4.
24. Dahlui M, Ng C, Al-Sadat N, Ismail S, Bulgiba A. Is breast self examination (BSE) still relevant? A study on BSE performance among female staff of University of Malaya. *Asian Pac J Cancer Prev* 2011;12(2):369-72.
25. Bhoo Pathy N, Yip CH, Taib NA, Hartman M, Saxena N, lau P, et al. Breast cancer in a multi-ethnic Asian setting: Results from the Singapore-Malaysia hospital-based breast cancer registry. *Breast* 2011.
26. Apalasamy YD, Ming MF, Rampal S, Bulgiba A, Mohamed Z. Gender-Dependent Association of a beta2- Adrenergic Gene Variant With Obesity Parameters in Malaysian Malays. *Asia Pac J Public Health* 2011.
27. Moy FM, Bulgiba A. The modified NCEP ATP III criteria maybe better than the IDF criteria in diagnosing Metabolic Syndrome among Malays in Kuala Lumpur. *BMC Public Health* 2010;10:678.
28. Maizura H, Retneswari M, Moe H, Hoe VC, Bulgiba A. Job strain among Malaysian office workers of a multinational company. *Occup Med (Lond)* 2010;60(3):219-24.
29. Hairi NN, Bulgiba A, Cumming RG, Naganathan V, Mudla I. Prevalence and correlates of physical disability and functional limitation among community dwelling older people in rural Malaysia, a middle income country. *BMC Public Health* 2010;10:492.
30. Bulgiba AM, Dahlui M. Developing global public health links in southeast Asia. *Asia Pac J Public Health* 2010;22(3 Suppl):14S-18S.
31. Bhoo Pathy N, Peeters P, van Gils C, Beulens JW, van der Graaf Y, Bueno-de-Mesquita B, et al. Coffee and tea intake and risk of breast cancer. *Breast Cancer Res Treat* 2010;121(2):461-7.
32. Noran NH, Izzuna MG, Bulgiba AM, Mimiwati Z, Ayu SM. Severity of visual impairment and depression among elderly Malaysians. *Asia Pac J Public Health* 2009;21(1):43-50.

33. Kamaliah MN, Jaafar S, Ehsan FZ, Safiee I, Ismail F, Saleh NM, et al. Facilitating equity and efficiency in Malaysian primary health care through the application of the ACG(R) case mix system. *BMC Health Services Research* 2009;9(Suppl 1):A7.
34. Yusoff N, Jaafar N, Razak IA, Chew YY, Ismail N, Bulgiba AM. The prevalence of enamel opacities in permanent teeth of 11-12 year-old school children in Kuala Lumpur, Malaysia. *Community Dent Health* 2008;25(1):55-8.
35. Saw A, Manimaran S, Faizal S, Bulgiba AM. Use of radiographic densitometry to predict the Bone Healing Index in distraction osteogenesis. *Malaysian Orthopaedic Journal* 2008;2(1):5.
36. Khoo SP, Yap AU, Chan YH, Bulgiba AM. Translating the Research Diagnostic Criteria for Temporomandibular Disorders into Malay: evaluation of content and process. *J Orofac Pain* 2008;22(2):131-8.
37. Al-Bayaty FH, Wahid NA, Bulgiba AM. Tooth mortality in smokers and nonsmokers in a selected population in Sana'a, Yemen. *J Periodontal Res* 2008;43(1):9-13.
38. Yong SM, Saw A, Sengupta S, Bulgiba AM. Bone overgrowth after fracture of the femoral shaft in children. *Malaysian Orthopaedic Journal* 2007;1(1).
39. Bulgiba AM, Fisher MH. Using neural networks and just nine patient-reportable factors of screen for AMI. *Health Informatics J* 2006;12(3):213-25.
40. Bulgiba AM. Diagnosing angina using a simple neural network architecture. *J Univ Malaya Med Centre* 2006;9(1):39-43.
41. Al-Bayaty FH, Wahid NA, Bulgiba AM, Al-Bayaty MA. Tooth mortality in a selected population in Sanaa. *Dentika Dental Journal* 2006;11(2):144-50.
42. Bulgiba AM, Razaz M. How well can signs and symptoms predict AMI in the Malaysian population? *Int J Cardiol* 2005;102(1):87-93.
43. Bulgiba AM. Are examination findings important in screening for angina in the Malaysian patient? *Prev Med* 2005;40(6):696-701.
44. Bulgiba AM. Information technology in health care - what the future holds. *Asia Pac J Public Health* 2004;16 (1):64-71.
45. Bulgiba AM, Noran MH. IT usage, perceptions and literacy of medical students. *Asia Pac J Public Health* 2003;15(2):127-34.
46. Vasudevan AE, Goh KL, Bulgiba AM. Impairment of psychomotor responses after conscious sedation in cirrhotic patients undergoing therapeutic upper GI endoscopy. *Am J Gastroenterol* 2002;97(7):1717-21.
47. Mahmud AB, Rohani K, Rasiyah RI, Ahmad E. Improving Internet access in the UMMC - A Nadi IT innovation. *J Univ Malaya Med Centre* 2000;5(2):93-97.
48. Mahmud AB. Developing a department website - the Department of Social and Preventive Medicine experience. *J Univ Malaya Med Centre* 2000;5(1):36-40.
49. Mahmud AB, Sallam AA. Analysis of birth weight data from the Malaysian Family Life Survey II. *Asia Pac.J Public Health* 1999;11(2):71-76.

Chapters in books and book publication

1. Hairi, N. N., Bulgiba, A., Tee, G. H., & Mudla, I. (2012). Sarcopenia in older people In C. S. Atwood (Ed.), *Geriatrics* (pp. 29). Rijeka, Croatia: InTech.

2. Hairi, N. N., Tee, G. H., Bulgiba, A., & Mudla, I. (2012). Physical function in older people In C. S. Atwood (Ed.), *Geriatrics* (pp. 3). Rijeka, Croatia: InTech.
3. Wee, L. H., & Bulgiba, A. (2010). *The psychological process and factors related to smoking cessation*. : Ministry of Health Malaysia.

Recent Proceedings

1. Bulgiba A. Internationalisation of Malaysian higher education. Australian International Education Conference 2011. Adelaide, Australia. 11-14 Oct 2012.
2. Wee LH, Shahab L, Bulgiba A, West R. Predictors of short-term quit success in smokers attending Malaysian smokers' clinics. Proceedings of the 42nd Asia Pacific Academic Consortium for Public Health (APACPH) Conference: p556. Bali, Indonesia. 24-27 Nov 2010.
3. Ismail N, Bulgiba AM, Nagelkerke N, Awang O. Isoniazid for preventing tuberculosis among non-HIV population in Malaysia. Proceedings of the Asia Link International Conference on Clinical Epidemiology and Evidence-Based Medicine: p88-89. Bali, Indonesia. 27-28 Nov 2010.
4. Ismail N, Bulgiba AM, Nagelkerke N, Awang O. Teaching Infectious Disease Modelling in Postgraduate Public Health Training Programme in Malaysia. Proceedings of the 42nd Asia Pacific Academic Consortium for Public Health (APACPH) Conference: p53. Bali, Indonesia. 24-27 Nov 2010.
5. Zaki RA, Bulgiba A, Ismail NA. Sample size for Bland-Altman analysis in validation study. Proceedings of the Asia Link International Conference on Clinical Epidemiology and Evidence-Based Medicine: p122-123. Bali, Indonesia. 27-28 Nov 2010.
6. Zaki RA, Bulgiba A, Nordin NS, Ismail NA. Knowledge on methods of validation study in medicine. Proceedings of the 42nd Asia Pacific Academic Consortium for Public Health (APACPH) Conference: p56. Bali, Indonesia. 24-27 Nov 2010.
7. Lubis R, Bulgiba A, Kamarulzaman A, Hairi NN, Peramalah D. Progression to AIDS in HIV patients seen in the University of Malaya Medical Centre. Proceedings of the Asia Link International Conference on Clinical Epidemiology and Evidence-Based Medicine: p84-85. Bali, Indonesia. 27-28 Nov 2010.
8. Lubis R, Bulgiba A, Kamarulzaman A, Hairi NN, Peramalah D. Determinants of progression to death after AIDS diagnosis in University of Malaya Medical Centre, Kuala Lumpur. Proceedings of the 42nd Asia Pacific Academic Consortium for Public Health (APACPH) Conference: p122. Bali, Indonesia. 24-27 Nov 2010.
9. Mohammed UY, Bulgiba A, Chik Z, Lee C, Peramalah D. Measuring adherence to Highly Active Anti-Retroviral Treatment (HAART) in HIV positive patients. Proceedings of the 42nd Asia Pacific Academic Consortium for Public Health (APACPH) Conference: p123. Bali, Indonesia. 24-27 Nov 2010.
10. Zaki RA, Nordin NS, Bulgiba A, Ismail NA. Assessing methods to determine reliability of medical instruments. Proceedings of the 2nd International Conference on Quantitative Science and Its Application: p217-221. Penang, Malaysia. 2-4 Nov 2010.
11. Jayalakshmi P, Iyengar KR, Tan PH, Bulgiba A, Mun KS. An appraisal of imunostatins in breast lesions. Proceedings of 59th Annual Conference of Indian Association of

- Pathologists and Microbiologists (APCON 2010): Hyderabad, India. Indian Journal of Pathology and Microbiology Vol 53, Supp 1 Oct 2010.
12. Zaki RA, Bulgiba A, Roshidi I, NoorAzina I. A review of statistical methods used to assess agreement in medicine. Proceedings of the 31st Annual Conference of the International Society for Clinical Biostatistics: p116. Montpellier, France. 29 Aug-2 Sept 2010.
 13. Saimon, R, Bulgiba A, Choo, WY. Built Environmental Factors, Adolescents' Physical Activity and Body Mass Index in Rural and Urban Neighbourhoods in Sarawak, Malaysia. Proceedings of the 6th Mixed Methods Conference, Baltimore, USA. 6-11 July 2010.
 14. Bulgiba A, Moy FM, Choo WY. Increasing the skills of medical graduates in clinical epidemiology and evidence-based medicine in Malaysia - An Asia-Link project. Proceedings of the 7th Asia Pacific Medical Education Conference, 4-8 Feb 2010, Singapore.
 15. Bulgiba A, Dahlui M. Developing global public health links in South-East Asia. Proceedings of the Global Health and the UAE: Asia-Middle East Connections Conference, 4-8 Jan 2010, Al Ain, UAE.
 16. Moy FM, Bulgiba AM. Association of serum urate with risk factors of metabolic syndrome. Proceedings of the 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2009, Taipei, Taiwan.
 17. Bulgiba AM, Lubis R, Peramalah D, Noran NH, Kamarulzaman A. Survival of HIV patients in the University of Malaya Medical Centre, Kuala Lumpur. Proceedings of the 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2009, Taipei, Taiwan.
 18. Masilamani R, Darus A, Ting AS, Mahmud AB, Koh D. Job strain and associate factors for occupation stress among teachers in Kuala Lumpur, Malaysia. Proceedings of the 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2009, Taipei, Taiwan.
 19. Wee LH, Bulgiba A, West R. Thoughts, feelings and behaviours of clients attending smokers clinics in Malaysia. Proceedings of the 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2009, Taipei, Taiwan.
 20. Lubis R, Bulgiba AM, Noran NH, Kamarulzaman A. Characteristics of patients diagnosed with HIV/AIDS in University of Malaya Medical Centre from 1986-2008. Proceedings of the 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2009, Taipei, Taiwan.
 21. Hairi NH, Mahmud AB, Syed Shaikh SH, Mohd Ghazali I, Said MA. Depression is associated with decreased physical performance of older people. Proceedings of the 41st Asia Pacific Academic Consortium for Public Health Conference, 3-6 Dec 2009, Taipei, Taiwan.
 22. Wee LH, Bulgiba A, West R. Thoughts, Feelings and Behaviours of Clients Attending Five Stop-Smoking Clinics in Malaysia. Proceedings of the Third Malaysia Conference on Tobacco Control (MCTC 2009), 8-9 Aug 2009, Kuala Lumpur, Malaysia.
 23. Wee LH, West R, Bulgiba A. Smokers beliefs and feelings about smoking and quitting during a quit attempt. Proceedings of the 2009 UK National Smoking Cessation Conference, 22-23 Jun 2009, London, United Kingdom.

24. Wee LH, Bulgiba A, West R. Factors associated with short-term success among smokers attending stop smoking clinics in Malaysia. Proceedings of the 14th World Conference on Tobacco or Health, 8-12 Mar 2009, Mumbai, India.
25. Bulgiba AM. Challenges of internationalising public health education in Malaysia. Proceedings of the 40th Asia Pacific Academic Consortium for Public Health Conference, 7-9 Nov 2008, Kuala Lumpur, Malaysia.
26. Lubis R, Bulgiba AM, Noran NH, Kamarulzaman A. A 21-year review of HIV/AIDS patients seen in the University of Malaya Medical Centre. Proceedings of the 40th Asia Pacific Academic Consortium for Public Health Conference, 7-9 Nov 2008, Kuala Lumpur, Malaysia.
27. Wee LH, West R, Bulgiba A. Characteristics of smokers attending Malaysian Stop Smoking Clinics. Proceedings of the 40th Asia Pacific Academic Consortium for Public Health Conference, 7-9 Nov 2008, Kuala Lumpur, Malaysia.
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