

CURRICULUM VITAE



A. BUTIR-BUTIR PERIBADI (<i>Personal Details</i>)			
Nama Penuh (<i>Full Name</i>)	ZAMBERI SEKAWI		Gelaran (<i>Title</i>): PROF DR
No. MyKad / No. Pasport (<i>Mykad No. / Passport No.</i>)	Warganegara (<i>Citizenship</i>) MALAYSIA	Bangsa (<i>Race</i>) Malay	Jantina (<i>Gender</i>): Male
Jawatan (<i>Designation</i>) Professor		Tarikh Lahir (<i>Date of Birth</i>)	

Alamat Semasa (<i>Current Address</i>)	Jabatan/Fakulti (<i>Department/Faculty</i>)	E-mel dan URL (<i>E-mail Address and URL</i>)
Deputy Dean (Research and Internationalization) Faculty of Medicine and Health Sciences, University Putra Malaysia.	Department of Medical Microbiology and Parasitology, Faculty of Medicine and Health Sciences, University Putra Malaysia. Tel: 03 8947 2365 Fax: 03 8941 3802	E-mail: zamberi@upm.edu.my

B. KELAYAKAN AKADEMIK (<i>Academic Qualification</i>)			
Nama Sijil / Kelayakan (<i>Certificate / Qualification obtained</i>)	Nama Sekolah Institusi (<i>Name of School / Institution</i>)	Tahun (<i>Year obtained</i>)	Bidang pengkhususan (<i>Area of Specialization</i>)
Doctor of Medicine (MD)	Universiti Kebangsaan Malaysia	1994	
Master of Pathology (MPath)	Universiti Kebangsaan Malaysia	2001	Clinical Microbiology

C. KEMAHIRAN BAHASA (<i>Language Proficiency</i>)					
Bahasa / <i>Language</i>	Lemah <i>Poor (1)</i>	Sederhana <i>Moderate (2)</i>	Baik <i>Good (3)</i>	Amat Baik <i>Very good (4)</i>	Cemerlang <i>Excellent (5)</i>
English					x
Bahasa Melayu					x
Chinese					
Lain-lain (<i>other</i>):					

D. PENGALAMAN SAINTIFIK DAN PENGKhususan (<i>Scientific experience and Specialisation</i>)				
<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
University Putra Malaysia	Lecturer	1998	Present	Clinical Microbiology/ Pathology

E. PEKERJAAN (<i>Employment</i>)

Majikan / Employer	Jawatan / Designation	Jabatan / Department	Tarikh lantikan / Start Date	Tarikh tamat / Date Ended
Ministry of Health Malaysia	Medical Officer	Pathology	July 1994	July 1998
University Putra Malaysia	Lecturer	Pathology/ Medical Microbiology and Parasitology	August 1998	Present
World Health Organization	Technical Officer	South Pacific Office	April 2010	Oct 2010

F. ANUGERAH DAN HADIAH (Honours and Awards)

Name of awards	Title	Award Authority	Award Type	Year
Academic Awards				
Non-Academic Awards				
Awards of Merit				

G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published) – Past 5 years

Journal	
	<ol style="list-style-type: none"> 1. Razieh Amini, Abdulmir A Sahib, Chyn Boon Wong, Fatemeh Jahanshiri, Cheng Chung, Ali Hematian, Zamberi Sekawi and Farid Azizi Jalilian. Identification and screening of methicillin resistant <i>Staphylococcus aureus</i> from fingernails among university students in Malaysia. <i>Asia Life Sciences</i> 2013;22(1):1-18. [Impact factor: 0.239, Q4 Biology] 2. Salmiah Isnail, Farid Azizi Jalilian, Amir Hossein Talebpur, Mohsen Zargar, Kamyar Shameli, Zamberi Sekawi and Fatemeh Jahanshiri. Chemical composition, antibacterial and cytotoxic activities of <i>Allium Hirtifolium</i> boiss. <i>Journal of Biomedicine and Biotechnology</i> 2013, vol. 2013, Article ID 696835, 8 pages. doi:10.1155/2013/696835 [Impact factor: 2.436, Q2 Biotechnology and Applied Microbiology] 3. Rand R Hafidh, Ahmed S Abdulmir, Farid Azizi Jalilian, Fatimah Abu Bakar, Faridah Abas and Zamberi Sekawi. Novel molecular, cytotoxic and immunological study on promising and selective anticancer activity of Mung bean sprouts. <i>BMC Complementary and Alternative Medicine</i> 2012;12:208. Doi:10.1186/1472-6882-12-208 [Impact factor: 2.241, Q1 Integrative and Complementary Medicine] 4. S Ghafourian, R Mohebi, Z Sekawi, V Neela, M Raftari, E Aboualigalehdari and N Sadeghifard. Extended-spectrum beta-lactamases producing <i>Klebsiella</i> species isolated from several major hospitals in Iran. <i>European Journal of Inflammation</i> 2012;10(3):XXXX [Impact factor: 5.233, Q1 Immunology] 5. Razieh Amini, Abdulmir AS, Cheng Chung, Fatemeh Jahanshiri, Chyn Boon Wong, Beh Poyling, Ali Hematian, Zamberi Sekawi, Mohsen Zargar and Farid Azizi Jalilian. Circulation and transmission of methicillin-resistant <i>Staphylococcus aureus</i> among college students in Malaysia (cell phones as reservoir). <i>Asian Biomedicine</i> 2012;6(5):659-673 [Impact factor: 0.256, Q4 Medicine, Research and Experimental] 6. Ghafourian S, Mohebi R, Sekawi Z, Raftari M, Neela V, Ghafourian E, Aboualigalehdari E, Rahbar M and Sadeghifard N. Effect of tannin extract <i>Pseudomonas aeruginosa</i> producing metallo beta-lactamase. <i>Journal of Biological Regulators and Homeostatic Agents</i> 2012;26(2):231-236 [Impact factor: 5.183, Q1 Immunology] 7. Razieh Amini, Fatemeh Jahanshiri, Yasaman Amini, Zamberi Sekawi and Farid Azizi Jalilian. Detection of human coronavirus strain KHU1 in a 2 years old with asthma exacerbation caused by acute pharyngitis. <i>Virology Journal</i> 2012;9:142 doi: 10.1186/1743-422X-9-142 [Impact factor, 2.343, Q3 Virology] 8. Nabil S Harmal, Alireza Khodavandi, Mohammed A. Alshawsh, Farida Jamal, Zamberi Sekawi, Ng Kee Peng and Pei Pei Chong. Simplex and triplex polymerase chain reaction (PCR) for identification of three medically important <i>Candida</i> species. <i>African Journal of Biotechnology</i> 2012;11(65):12895-12902. doi: 10.5897/AJB12.1708. 9. Salman Sahab Atshan, Mariana Nor Shamsudin, Zamberi Sekawi, Leslie Than Thian Lung, Rukman Awang Hamat, Arunkumar Karunanidhi, Alreshidi Mateg Ali, Ehsanollah Ghaznavi-Rad, Hamed Ghasemzadeh-Moghaddam, Johnson Shueh

Chong Seng, Jayakayatri Jeevajothi Nathan and Chong Pei Pei. Prevalence of adhesion and regulation of biofilm-related genes in different clones of *Staphylococcus aureus*. *Journal of Biomedicine and Biotechnology*, vol. 2012, Article ID 976972, 10 pages, 2012. doi:10.1155/2012/976972. **[Impact factor: 2.436, Q2 Biotechnology and Applied Microbiology]**

10. Nourkhoda Sadeghifard, Reza Mohebi, **Zamberi Sekawi**, Sobhan Ghafourian, Hossien Kazemian and Mitra Rezaee. Prevalence of hepatitis B virus in chronic hepatitis B patients. *Romanian Archives of Microbiology and Immunology* 2012;71(1):53-55.
11. Sobhan Ghafourian, **Zamberi Sekawi**, Vasanthakumari Neela, Afra Khosravi, Mohammad Rahbar and Nourkhoda Sadeghifard. Incidence of extended spectrum beta-lactamase producing *Klebsiella pneumoniae* in patients with urinary tract infection. *Sao Paulo Med J* 2012;130(1):37-43. **[Impact factor: 0.577]**
12. Razieh Amini, AS Abdulmir, Beh Poay Ling, Fatemeh Jahanshiri, Ali Hematian, Mohsen Zargar, **Zamberi Sekawi** and Farid Azizi Jalilian. Isolation and identification of Methicillin Resistant *Staphylococcus aureus* from keys of college students using different detection methods. *British Biotechnology Journal* 2012;2(1):13-25.
13. Etemadi M R, Azizi Jalilian F, Abd Wahab N, Jahanshiri F, Amini R, Othman N and **Zamberi Sekawi**. First detected human bocavirus in a Malaysian child with pneumonia and pre-existing asthma: A case report. *Medical Journal of Malaysia* 2012 In press.
14. Salman Atshan, Mariana Nor Shamsudin, Leslie Thian Lung Than, **Zamberi Sekawi**, Ehsanollah Ghaznavi and Chong Pei Pei. Comparative characterization of genotypically different clones of MRSA in the production of biofilms. *Journal of Biomedicine and Biotechnology* 2012 In press. **[Impact factor: 1.230]**
15. Mohammad Raftari, Farid Azizi Jalilian, Ahmed Sahib Abdulmir, Sobhan Ghafurian, **Zamberi Sekawi**, Radu Son and Fatimah Abu Bakar. Antibacterial activity of organic acids on *Salmonella* and *Listeria*. *Asia Life Sciences* 2012;21(1):13-30. **[Impact factor: 0.189]**
16. Salman Sahab Atshan, Mariana Nor Shamsudin, Leslie Than Thian Lung, King Hwa Ling, **Zamberi Sekawi** and Chong Pei Pei. Improved method for the isolation of RNA from bacteria refractory to disruption, including *Staphylococcus aureus* producing biofilm. *Gene* 2011 In press. **[Impact factor: 2.266]**
17. Khadega Yahya Abdullah Alhetar, **Zamberi Sekawi**, Nor Shamsudin Mariana and Vasanthakumari Neela. Molecular characterization of extended-spectrum beta lactamase (ESBL) producing extra-intestinal pathogenic *Escherichia coli*. *African Journal of Microbiology Research*. 2011;5(31):5662-5668. **[Impact factor: 0.528]**
18. Nik Khairul Azizi Nik Ibrahim, Mariana Nor Shamsudin, Vasantha Kumari Neela and **Zamberi Sekawi**. Partial genes expression assessment of two-component regulation system *ArlR* and *SigB* towards *Staphylococcus aureus* survival *in vitro*. *African Journal of Microbiology Research*. 2011;5(26):4471-4475. **[Impact factor: 0.528]**
19. Salman Sahab Atshan, Mariana Nor Shamsudin, Leslie Than Thian Lung, **Zamberi Sekawi** and Chong Pei Pei. A simple and rapid differentiation method for combating therapeutically challenging planktonic and biofilm-producing *Staphylococcus aureus*. *African Journal of Microbiology Research* 2011;5(22):3720-3725. **[Impact factor: 0.528]**
20. Raftari, M, Azizi Jalilian F, Abdulmir AS, Sobhan Ghafurian, Radu S, **Zamberi Sekawi** and Abu Bakar F. Optimized antibacterial measures against *Escherichia coli* O157:H7 and *Staphylococcus aureus*. *African Journal of Microbiology Research* 2011;5(20):3113-3121. **[Impact factor: 0.528]**
21. Alireza Khodavandi, Nabil S Harmal, Fahimeh Alizadeh, Olivia J Scully, Shiran M Sidik, Fauziah Othman, Kee Peng Ng, **Zamberi Sekawi** and Pei Pei Chong. Comparison between allicin and fluconazole in *Candida albicans* biofilm inhibition and in suppression of HWP1 gene expression. *Phytomedicine* 2011;19(1):56-63. **[Impact factor: 2.662]**
22. Rand R Hafidh, Ahmed S Abdulmir, Law Se Vern, Fatimah Abu bakar, Faridah Abas, Fatemeh Jahansari and **Zamberi Sekawi**. Inhibition of growth of highly resistant bacterial and fungal pathogens by a natural product. *The Open Microbiology Journal* 2011;5:96-106.
23. Rand Riadh Hafidh, Abdulmir A. S., Law Se Vern, Fatimah Abu Bakar, Faridah Abas, Fatemeh Jahanshiri and **Zamberi Sekawi**. Novel *in vitro* antimicrobial activity of *Vigna raidata* (L.) R. Wilczek against highly resistant bacterial and fungal pathogens. *Journal of Medicinal Plants Research* 2011;5(16):3606-3618. **[Impact factor: 0.879]**
24. Alireza Khodavandi, Fahimeh Alizadeh, Nabil S. Harmal, Shiran M. Sidik, Fauziah Othman, Ng Kee Peng, **Zamberi Sekawi** and Pei Pei Chong. Expression analysis of SIR2 and SAPs1-4 gene expression in *Candida albicans* treated with allicin

	<p>compared to fluconazole. <i>Tropical Biomedicine</i> 2011 <i>in press</i> [Impact factor: 0.581]</p> <p>25. Mariana N. S., Nik K. A. N. I., Neela V. K., Norfarrah M. A. and Zamberi S. <i>In vivo</i> evaluation on Malaysian coastal isolates of <i>Gracilaria changii</i> and <i>Stichopus badiionotus</i> through heat-burn methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) infection animal model. <i>African Journal of Microbiology Research</i> 2011;5(12):1379-1382. [Impact factor: 0.528]</p> <p>26. Ghaznavi-Rad E., Goering R. V., Nor Shamsudin M, Weng P. L., Sekawi, Z., Tavakol, M., van Belkum, A. and Neela, V. <i>mec</i>-associated <i>dru</i> typing in the epidemiological analysis of ST239 MRSA in Malaysia. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> 2011;30:1365-1369. [Impact factor: 2.605]</p> <p>27. Sobhan Ghafourian, Zamberi Sekawi, Nourkhoda Sadeghifard, Reza Mohebi, vasantha Kumari Neela, Abbas Maleki, Ali Hematian, Mohammad Rhabar, Mohammad Raftari and Reza Ranjbar. The prevalence of ESBLs producing <i>Klebsiella pneumoniae</i> isolates in some major hospitals, Iran. <i>The Open Microbiology Journal</i> 2011;5:91-95.</p> <p>28. Abbas Maleki, Nasim Ghafourian, Sobhan Ghafourian, Iraj Paksad, Nourkhoda Sadeghifard, Afra Khosravi, Khayrolah Asadolahi, Zamberi Sekawi, Reza Mohebi, Ali Hematian and Moreteza Hosseinzadeh. Evaluation of an immunocapture-agglutination test (Brucellacapt) for serodiagnosis of human brucellosis, Ilam, Iran. <i>World Journal of Fish and Marine Sciences</i> 2011;3(3):243-246.</p> <p>29. Sobhan Ghafourian, Nourkhoda Sadeghifard, Zamberi Sekawi, Vasantha Kumari Neela, Mariana Nor Shamsudin, Iraj Pakzad, Elham Abouali Galehdari, Abbas Maleki, Majig Pornour, Haedah Mobaiyen and Mohammad Rahbar. Phenotypic and genotypic assay for the detection of beta-lactamases production by <i>Klebsiella pneumonia</i> isolated in Emam Reza Hospital in Tabriz, Iran. <i>Journal of Pure and Applied Microbiology</i> 2011;5(11):1-10.</p> <p>30. Farid Azizi Jalilian, Fatemeh Jahanshiri, Zamberi Sekawi, Abdul Rahman Omar and Khatijah Yusoff. Dynamics of the bacterially expressed conserved immunogenic region of the human respiratory syncytial virus G protein. <i>Biotechnology and Applied Biochemistry</i> 2011;58(2):97-102. [Impact factor: 1.512]</p> <p>31. Nourkhoda Sadeghifard, Sobhan Ghafourian, Zamberi Sekawi, Vasantha Kumari Neela, Ali Hematian, Iraj Pakzad, Elham Abouali Galehdari and Reza Mohebi. Extended spectrum beta-lactamases among hospitalised patients in surgery wards, Ilam, Iran. <i>Journal of Microbial and Biochemical Technology</i> 2011;3(1):18-20.</p> <p>32. Alireza Khodavandi, Fahimeh Alizadeh, Nabil S Harmal, Shiran M Sidik, Fauziah Othman, Zamberi Sekawi, Mohammad Ali Farboodniay Jahromi, Kee-Peng Ng and Pei Pei Chong. Comparison between efficacy of allicin and fluconazole against <i>Candida albicans</i> <i>in vitro</i> and in a systemic candidiasis mouse model. <i>FEMS Microbiology Letters</i>. 2011;315(2):87-93. [Impact factor: 2.040]</p>
Books/Monographs	<ol style="list-style-type: none"> Zamberi Sekawi (contributor). 2011. <i>Laboratory Quality Standards and their Implementation</i>. World Health Organization. New Delhi. Zamberi Sekawi (contributor). 2011. <i>Development of National Health Laboratory Policy and Plan</i>. World Health Organization. New Delhi.
Chapter in book	<ol style="list-style-type: none"> Zamberi Sekawi, Sazlina Shariff Ghazali, Elizabeth George and Lekhraj Rampal. Upper Back Pain. <i>Problem based learning: Cases for medical students</i>. Serdang: UPM Press; 2012;3(2):133-146.
Proceedings	<p>Proceedings in Journal</p> <ol style="list-style-type: none"> M. R. Etemadi, F. Yazdani Moghaddam, F. Azizi Jalilian, Z. Sekawi and N. Othman. Phylogenetic analysis of human respiratory syncytial virus isolated from children with acute lower respiratory tract infections in Malaysia (abstract). <i>International Journal of Infectious Diseases</i> 2012;16S1:40.028. A. Farhadi, A. Behzad-Behbahani, B. Geramizadeh, Z. Sekawi, M. S. Shiran and F. Aboualizadeh. Presence of oncogenic viruses (EBV, HHV-6, BKV and JCV) DNA sequences in renal cell carcinoma. <i>International Journal of Infectious Diseases</i> 2012;16S1:40.031. Mohamad Reza Etemadi, Farid Azizi Jalilian, Norrashidah Abdul Wahab, Zamberi Sekawi, Putri Yubbu, Zurina Zainudin, Shamarina Shohaimi and Norlijah Othman. Human rhinoviruses among children 4characteriza with acute lower respiratory infections (abstract). <i>Malaysia Journal of Paediatrics and Child Health</i>. 2010;16(2). Teoh H K, Chong P P, Abdullah M, Sekawi Z, Leong C F and Cheong S K. Suppression of interleukin-6 in human bone marrow-derived mesenchymal stem cells post siRNA transfection (abstract). <i>Medical Journal of Malaysia</i> 2010;65;75. Mohamad Reza Etemadi, Farid Azizi Jalilian, Norrashidah Abdul Wahab, Zamberi Sekawi, Putri Yubbu, Zurina Zainudin, Shamarina Shohaimi and Norlijah Othman. Human rhinoviruses among children hospitalised with acute lower respiratory

	infections (abstract). <i>Malaysia Journal of Paediatrics and Child Health</i> . 2010;16(2). Proceedings 1. Sobhan Ghafouryan, Nourkhoda Sadeghifard, Zamperi Sekawi , Vasantha Kumari Neela Raja, Mariana Nor Shamsudin and Reza Mohebi. Antimicrobial pattern and frequency and clonal dissemination of TEM and SHV genes in <i>Klebsiella pneumoniae</i> isolated from patients in Milad and Ilam hospitals (abstract). 3 rd <i>Eurasia Congress of Infectious Diseases</i> . October 2009, Baku, Azerbaijan.
Other publications	
Computer software	

H. PROJEK PENYELIDIKAN TERDAHULU (Past Research Project) – Past 5 years					
Project No.	Project Title	Role	Year	Source of fund	Status
	A high-throughput analyses of genomic and proteomic approaches on human rhinovirus infections to look for novel potential markers for diagnostic and treatment	Project leader	2012 - 2014	MOHE	Ongoing
	Molecular detection of viruses causing hand, foot and mouth diseases in Serdang, Selangor, Malaysia	Project Leader	2012- 2013	UPM	Ongoing
	The use of RNA interference as a novel anti-viral agent against respiratory syncytial virus	Project leader	2012 – 2013	MOSTI	Ongoing
	Characterization of the different oligomeric structures of the exposed VP1, VP2, VP3 and VP4 termini of Malaysian human rhinovirus species in an attempt to develop a pan-serotypic peptide vaccine.	Project leader	2012 – 2014	MOHE	Ongoing
	Development of enterovirus 71 vaccine with potential mucosal protection using novel delivery techniques through nanoparticles as delivery agents	Project leader	2011 – 2012	UPM	Ongoing
	Molecular epidemiology of community acquired methicillin resistant <i>Staphylococcus aureus</i> (CA-MRSA) and hospital acquired MRSA (HA-MRSA) in Malaysia and the impact to health care	Project leader	2008-2010	MOSTI	Completed