

# **Curriculum Vitae**

**Surname:** Khalid

**Forename:** Rand Riadh Hafidh

**Sex:** Female

**Date of birth:** October 16<sup>th</sup> 1977

**Place of birth:** Baghdad-Iraq

**Nationality:** Iraqi

**Languages known:** Arabic and English (reading, writing, speaking; excellently fluent).

## **Qualifications:**

- Graduated at the College of Science/Biology department/ Baghdad University for the academic year 1998/1999. Obtained the B.Sc degree in Biology/Microbiology branch with a grade good and an average of 75.30 on 10-7-1999 from the first sitting.  
Serial (Rank) 12 among 184 for the two sittings.
- Master Degree (M.Sc in Medical Microbiology) from College of Medicine/Al-Nahrain University 2004 (formerly known as Saddam College of Medicine that belongs to Saddam University).
- Doctor of Philosophy (Ph.D in Medical Biotechnology) from Institute of Bioscience/University Putra Malaysia 2011.

## **Specialization:**

- Coarse specialization: Medical Microbiology.
- Fine specialization: Medical Biotechnology.

## **Areas of research:**

- Immuno-Mycology.
- Biotechnology techniques and assays.

## **Current and previous position: Oct. 2004- up to date**

- Current position (Oct. 2004 up to date): lecturer at the department of Medical Microbiology, College of Medicine, Baghdad University/ Baghdad-Iraq.
- Previous position (2004 to 2007): Researcher at the Biotechnology and Research Center of Al-Nahrain University/ Baghdad-Iraq.
- Previous position (1999 to 2001): Demonstrator in the College of Science/Biology department/University of Baghdad/ Baghdad-Iraq.

## **Published papers:**

1. Rand R. Hafidh, Nidhal Abdul Muhaimen, Rasool Dabbagh. 2004. Cell Mediated Immunity in Dermatophytoses. *Iraqi Postgraduate Medical Journal*. 3(3): 296-300, 2004.

2. Rand R. Hafidh, Rasool Dabbagh, Nidhal Abdul Muhaimen. Prevalence of Dermatophytic Skin, Nail and Hair Infection in Baghdad-Iraq. *Iraqi Postgraduate Medical Journal*. 3(4): 328-330, 2004.
3. Rand R. Hafidh, Rasool Dabbagh, Nidhal Abdul Muhaimen. Dermatophytoses Clearance Depends on Cell Mediated Immunity Response. *Iraqi Postgraduate Medical Journal*. 4(4): 352-355, 2005.
4. Rand R. Hafidh, Rasool Dabbagh, Nidhal Abdul Muhaimen. Atopy as a Risk Factor for Dermatophytoses. *Almustansiriya Journal of Pharmaceutical Sciences*. 2(1): 25-28, 2005.
5. Rand R. Hafidh, Nidhal Abdul Muhaimen, Rasool Dabbagh. Dermatophytoses and the high level of CR3 (CD11b/CD18). *Almustansiriya Journal of Pharmaceutical Sciences*. 2(2): 14-17, 2005.
6. Rand R. Hafidh, Nidhal Abdul Muhaimen, Rasool Dabbagh. Immunosuppressive Serum Factors in Patients with Dermatophytoses. *Almustansiriya Journal of Pharmaceutical Sciences*. 2(2): 67-71, 2005.
7. Rand R. Hafidh and Ahmed S. Abdulamir. *Cladosporium* spp. as a causative agent of white superficial onychomycosis. *The Eastern Mediterranean Health Journal*. 14(1): 231-233, 2008.
8. A.S. Abdulamir, R.R. Hafidh, L.K. Mahdi, T.R. Al-jeboori, F. Abubaker, and K.A. Abbas. The Interplay between p53 and p21 Tumor Suppressor Proteins in the Transformation of Colorectal Adenoma to Carcinoma. *American Journal of Immunology*. 4(1): 14-22, 2008.
9. A.S. Abdulamir, R.R. Hafidh, N. Abdulmuhaimen, F. Abubaker and K.A. Abbas. Better Understanding of the Immunosuppressive Link between the Lymphocytic Immune Cells and the Decreased Cell Mediated Immunity in Head and Neck Cancer Patients. *American Journal of Immunology*. 4(1): 25-31, 2008.
10. Abdulamir, A.S., Hafidh, R.R., Abdulmuhaimen, N., Abubakar, F., Abbas, K.A. The distinctive profile of risk factors of nasopharyngeal carcinoma in comparison with other head and neck cancer types. *BMC Public Health*. 8: 400, 2008.
11. Khadim HS, Abdulamir, AS., Hafidh RR., Abubakar F., Abbas K. Investigations in the molecular events of transitional cell carcinoma of the bladder. *AMJ Bioch. Biotech*. 4(4): 408-415, 2008.
12. Abdulamir, A.S., Hafidh, R.R., Abubakar, F., Abbas, K.A. Changing survival, memory cell compartment, and T-helper balance of lymphocytes between severe and mild asthma. *BMC Immunol*. 9: 73, 2008.

13. Hafidh RR, Abdulmir AS, Abu Bakar F, Abas F, Jahanshiri F, Sekawi Z. Antioxidant research in Asia in the period from 2000-2008. *American Journal of Pharmacology and Toxicology*. 4(3): 48-66, 2009.
14. Hafidh, RR, Abdulmir, AS, Jahanshiri, F. Abas, F. Bakar, Sekawi, Z. Asia is the Mine of Natural Antiviral Products for Public Health. *The Open Complementary Medicine Journal*. 1: 58-68, 2009.
15. Rand R. Hafidh, Faridah Abas, Ahmed S. Abdulmir, Fatemeh Jahanshiri, Fatimah Abu Bakar and Zamberi Sekawi. A Review: Cancer Research of Natural Products in Asia. *International Journal of Cancer Research*. 5: 69-82, 2009.
16. Abdulmir AS, Hafidh RR, Abu Bakar F, Abbas K. Novel Epstein-barr virus immunoglobulin G-based approach for the specific detection of nasopharyngeal carcinoma. *American Journal of Otolaryngology - Head and Neck Medicine and Surgery*. 31(6): 410-417, 2009.
17. Abdulmir, A.S., Hafidh, R.R., Abubakar, F. Different inflammatory mechanisms in lungs of severe and mild asthma: crosstalk of NF-kappa-B, TGFbeta1, Bax, Bcl-2, IL-4 and IgE. *Scand J Clin Lab Invest*. 69: 487-495, 2009.
18. Abdulmir, A.S., Kadhim, H.S., Hafidh, R.R., Ali, M.A., Faik, I., Abubakar, F., Abbas, K.A. Severity of asthma: the role of CD25+, CD30+, NF-kappaB, and apoptotic markers. *J Investig Allergol Clin Immunol*. 19: 218-224, 2009.
19. Abdulmir, A.S., Hafidh, R.R., Mahdi, L.K., Al-jeboori, T., Abubaker, F. Investigation into the controversial association of Streptococcus gallolyticus with colorectal cancer and adenoma. *BMC Cancer* 9: 403, 2009.
20. Abdulmir, A.S., Hafidh, R.R., Kadhim, H.S., Abubakar, F., Tumor markers of bladder cancer: the schistosomal bladder tumors versus non-schistosomal bladder tumors. *J Exp Clin Cancer Res*. 28: 27, 2009.
21. Abdulmir, A.S., Hafidh, R.R., Bakar, F.A. Molecular detection, quantification, and isolation of Streptococcus gallolyticus bacteria colonizing colorectal tumors: inflammation-driven potential of carcinogenesis via IL-1, COX-2, and IL-8. *Mol Cancer*. 9: 249, 2010.
22. Abdulmir AS, Hafidh, RR, Abubakar F. In vitro immunogenic and immunostimulatory effects of zwitterionized 23-valent pneumococcal polysaccharide vaccine compared with nonzwitterionized vaccine. *Current therapeutic research*. 71:60-77, 2010.

23. Rand R. Hafidh, A.S. Abdulmir, Law Se Vern and Fatimah Abu Bakar. The Inhibition of Human Pathogens: *Trichophyton rubrum* and *Trichoderma harzianum* by a Natural Product. *American Journal of Biochemistry and Biotechnology*. 6 (1): 40-46, 2010.
24. Rand R. Hafidh, Abdulmir AS, Law Se Vern, Fatimah Abu Bakar, Faridah Abas, Fatemeh Jahanshiri and Zamberi Sekawi. Novel in vitro antimicrobial activity of *Vigna radiata* (L.) R. Wilczek against highly resistant bacterial, and fungal pathogens. *Journal of Medicinal Plants Research*. 5(16): 3606-3618, 2011.
25. Rand R. Hafidh, Ahmed S. Abdulmir, Law Se Vern, Fatimah Abu Bakar, Faridah Abas, Fatemeh Jahanshiri and Zamberi Sekawi. Inhibition of Growth of Highly Resistant Bacterial and Fungal Pathogens by a Natural Product. *The Open Microbiology Journal*. 5: 96-106, 2011.
26. Ahmed S Abdulmir, Rand R Hafidh, Fatimah Abu Bakar. The association of *Streptococcus bovis/gallolyticus* with colorectal tumors: The nature and the underlying mechanisms of its etiological role. *Journal of Experimental & Clinical Cancer Research*. 30:11, 2011.
27. Hafidh RR, Abdulmir AS and Abu Bakar F. Phenotype microarray profiling of the antibacterial activity of red cabbage. *Functional Foods in Health and Disease*. 2(6):212-227, 2012.
28. Rand R Hafidh, Ahmed S Abdulmir, Fatimah Abu Bakar, Farid Azizi Jalilian, Faridah Abas and Zamberi Sekawi. Novel molecular, cytotoxic, and immunological study on promising and selective anticancer activity of Mung bean sprouts. *BMC Complementary and Alternative Medicine*. 12:208, 2012.
29. Abdulmir AS, Hafidh RR, Abu Bakar F. The tumoricidal activity of *Salmonella* and its role in treating cancers. *Cancer Therapy*. 8: 10-23, 2013.
30. R.R. Hafidh, A.S. Abdulmir, F. Abu Bakar, F.A. Jalilian, F. Jahanshiri, F. Abas, Z. Sekawi. Novel anticancer activity and anticancer mechanisms of *Brassica oleracea* L. var. capitata f. rubra. *European Journal of Integrative Medicine*. 5: 450–464, 2013.
31. Rand R Hafidh, Ahmed S Abdulmir, Fatimah Abu Bakar, Zamberi Sekawi, Fatemeh Jahanshiri and Farid Azizi Jalilian. Novel antiviral activity of mung bean sprouts against respiratory syncytial virus and herpes simplex virus –1: an in vitro study on virally infected Vero and MRC-5 cell lines. 1. *BMC Complementary and Alternative Medicine*. 15:179, 2015.
32. Ahmed Sahib Abdulmir, Sabah A. A. Jassim, Rand R. Hafidh and Fatimah Abu Bakar. The potential of bacteriophage cocktail

in eliminating Methicillin-resistant *Staphylococcus aureus* biofilms in terms of different extracellular matrices expressed by PIA, *ciaA-D* and FnBPA genes. *Ann Clin Microbiol Antimicrob.*14:49, 2015.

### **Published Books:**

1. A.S. Abdulmir, R.R. Hafidh and F. Abubaker. 2012. The Novel Use of Zwitterionic Bacterial Components and Polysaccharides in Immunotherapy of Cancer and Immunosuppressed Cancer Patients. In: *Advancements in Tumor Immunotherapy and Cancer Vaccines*. HilalArnouk (eds), pp: 155-174. InTech, Rijeka, Croatia.
2. AbdulmirA.S., Muhammad ZukhrufuzZaman, Hafidh R.R. and Abu Baker F. 2012.The Role of Diet, Prebiotic and Probiotic in the Development and Management of Inflammatory Bowel Diseases (IBD). In: *Inflammatory Bowel Disease Advances in Pathogenesis and Management*. Sami Karoui (eds), pp: 249-274. InTech, Rijeka, Coratia.
3. A.S. Abdulmir, R.R. Hafidh and F. Abubaker. 2012. *Streptococcus bovis/gallolyticus* Induce the Development of Colorectal Cancer. In: *Colorectal Cancer Biology From Genes to Tumor*. RajunorEttarh (eds), pp: 375-390. InTech, Rijeka, Croatia.

<http://www.intechopen.com/chapters/78690>

### **Conference participation:**

- 1) 30<sup>th</sup> Symposium of Malaysian Society for Microbiology. Microbes: Biotechnology engine for health and wealth creation 16<sup>th</sup>-19<sup>th</sup> August 2008. Kuantan, Malaysia.

Poster session:

AS Abdulmir, Layla K Mahdi, Tarik Aljeboori, Rand R Hafidh, Fatimah Abu Bakar. 2008. The interplay between p53 and p21 tumor suppressor proteins in the transformation of colorectal adenoma to carcinoma. 30<sup>th</sup> MSM congress proceedings. pp. 19.

Oral session:

AS Abdulmir, Layla K Mahdi, Tarik Aljeboori, Rand R Hafidh, Fatimah Abu Bakar. 2008. Investigation of the controversial association of *Streptococcus gallolyticus* with colorectal cancer and colorectal adenoma. 30<sup>th</sup> MSM congress proceedings. pp.13.

- 2) Symposium on Plant Polyphenols: Nutrition, Health, and Innovations. 22-23 June 2009. Kuala Lumpur, Malaysia.

Poster session:

Rand R. Hafidh, AS Abdulmir. 2009. In vitro antibacterial activity of the red cabbage (*Brassica oleracea* L. var. capitata f. rubra DC). Proceedings of Symposium on Plant Polyphenols: Nutrition, Health, and Innovations. pp. 64.

- 3) International Congress of Malaysian Society for Microbiology (ICMSM 2009): Current Issues for Sustainable Research and Innovation in Microbial Biotechnology. 1-4 December 2009. Penang, Malaysia.

Poster session:

AS Abdulmir, Fatimah AbuBakar, Rand R Hafidh. 2009. Novel approach of phage-based bioprocessing of human pathogenic *E. coli* O157:H7 growth. ICMSM2009 proceedings. pp.27.

Poster session:

Rand R Hafidh, AS Abdulmir, Law Se Vern, Fatimah Abu Bakar, Faimah Jahansheri, Faridah Abas, Zamberi Sekawi. 2009. Novel in vitro activity of *Vigna radiate* (L.) Wilczek (Mung beans) against highly resistant bacterial and fungal pathogens. ICMSM2009 proceedings. pp.28.

- 4) 4<sup>th</sup> Asian Society of Veterinary pathologists (4<sup>th</sup> ASVP). Bangkok, Thailand. 19-20 November, 2009.

Poster session:

AS Abdulmir, FY Moghadam, RR Hafidh, Fatimah Abubakar, LATif I kadhim. 2009. Lectin Histochemistry Assay in Colon Tissues for Characterization of rodents. Proc. 4th ASVP Conf. & Ann Meeting TAVLD. pp. 376-377 published in the Thai Journal of Veterinary Medicine Vol. 39 No. 4 2009.

Poster session:

RR Hafidh, AS Abdulmir, F Abubakar. 2009. Comparative Histological and Histochemical Inter-species Investigation of Mammalian Submandibular Salivary Glands. Proc. 4th ASVP Conf. & Ann Meeting TAVLD. pp. 384-385 published in in the Thai Journal of Veterinary Medicine Vol. 39 No. 4 2009.

- 5) Laboratory Day Conference of Medical City. 30<sup>th</sup> April. 2013. Baghdad, Iraq.
- 6) The First International Scientific Conference of Cihan University 20<sup>th</sup> -21<sup>st</sup> April. 2014. Erbil-Kurdistan Region, Iraq.

Poster session:

Ahmed Sahib, Rand Riadh, Fatimah Abu Bakar. 2014. Phenotype microarray technology for elucidating health promoting effects of a natural product, *Vigna radiate*. Phenotype microarray.

7) Attending The 15<sup>th</sup> Scientific Conference of College of Medicine - University of Baghdad 29<sup>th</sup> – 30<sup>th</sup> 2016

#### **Patents:**

Three patents in The Intellectual Property Corporation of Malaysia:

1. An Antiviral Composition. Patent File No. PI 2011001615
2. An Antimicrobial Composition. Patent File No. PI 2011001616
3. An Anticancer Composition. Patent File No. PI 2011001617

[http://ipjournal.myipo.gov.my/ipjournal/index.cfm?pg=publication/18month\\_details&id=10&year=2012&page=4](http://ipjournal.myipo.gov.my/ipjournal/index.cfm?pg=publication/18month_details&id=10&year=2012&page=4)

#### **Awards:**

- 1) **Gold Medal:** Bactericidal Effects of Mung Bean Sprout Against Multidrug (MDR) Resistant Bacteria. **PAMERAN REKA CIPT, PENYELIDIKAN DAN INOVASI.** 19<sup>th</sup>-21<sup>st</sup> July 2011. **Pusat Kebudayaan dan Kesenian Sultan Salahuddin Abdul Aziz Shah, University Putra Malaysia, Serdang, Selangor, Malaysia.**
- 2) **Higher Education Award for Scientific Sciences.** 30<sup>th</sup> December 2013. University of Baghdad, Baghdad, Iraq.
- 3) **Higher Education Award for Scientific Sciences.** 18<sup>th</sup> May 2014. University of Baghdad, Baghdad, Iraq.

#### **Training Courses:**

##### **1) May 2<sup>nd</sup> – June 2<sup>nd</sup> 2005**

The educational qualifying course held by University of Baghdad in The Center of Development and Continues Education/ Ministry of Higher Education and Scientific Research, Baghdad-Iraq.

##### **2) July 3<sup>rd</sup> – July 7<sup>th</sup> 2005**

Training course attended in The Biotechnological Research Center of Al-Nahrain University for PCR Technique and its Medical Applications, Baghdad-Iraq.

##### **3) May 28<sup>th</sup> – June 1<sup>st</sup> 2006**

Workshop on Guidelines for Laboratory Design: Health and Safety Consideration. Mediated by the World Health Organization the regional office for Iraq with the assistant of the Iraqi Ministry of Health, Amman- Jordan.

**4) July 15<sup>th</sup>- July 18<sup>th</sup> 2009**

Short training course in Identification of Microorganisms using API methods held in Department of Bioprocess Technology, Faculty of Biotech, UPM. Techniques of the course:

- a- Bacterial classification and API strips.
- b- API-based techniques for diagnosis of Gram negative bacilli.
- c- API-based techniques for diagnosis of Gram positive bacilli.
- d- API-based techniques for diagnosis of Anaerobes.
- e- API-based techniques for diagnosis of Gram positive cocci.
- f- API-based techniques for diagnosis of Gram negative cocci.

**5) Jan12<sup>th</sup>- Jan 13<sup>th</sup> 2009**

Biolog Omnilog GENIII introduction workshop held in Institute of Bioscience, UPM, Malaysia. Techniques of the course:

- a- Biolog Omnilog- based technique for microbial identification at species and strain levels.
- b- Different preparation protocols for incubating Gram negative and positive bacteria in Biolog Omnilog instrument.

**6) Mar 19<sup>th</sup> – Mar 20<sup>th</sup> 2009**

Biolog Omnilog GENIII technology for Microbial Identification & Phenotype Microarray workshop held in Institute of Bioscience, UPM, Malaysia. Techniques of he course:

- a- Phenotype micro array for Gram positive bacteria.
- b- Phenotype micro array for Gram negative bacteria.
- c- Phenotype micro array for Mammalian cells.
- d- Integration of the microbial phenotype with antibiotic resistance.

**7) Feb 14<sup>th</sup> – Feb 15<sup>th</sup> 2010**

A global perspective on Microbiological safety methods and technologies by Thermo Scientific corp. Hilton Hotel, Kuala Lumpur, Malaysia.



**8) Nov. 27- Nov. 28 2010**

Short Course on Practical applications of recombinant DNA techniques in Microbiology held in Dengkil branch of Malaysian Nuclear Agency. Techniques of the course:

- a- Advanced, up to date, techniques for DNA isolation, purification, and preparation using *UniversAll* tissue PCR kit.
- b- Advanced techniques for purification of PCR products.
- c- yT&A cloning kit protocol using yT&A cloning vector.
- d- Heat-shock cold plating techniques and recent modifications in transformation techniques into competent cells.
- e- Plasmid transformation techniques using High-Yield plasmid mini kits.
- f- Colony PCR selection techniques.

**9) March 12<sup>th</sup>- March 14<sup>th</sup> 2013**

Two days faculty member development workshop (Part I) held in the Medical Education Unit, College of Medicine, University of Baghdad.

**10) May 12<sup>th</sup> – May 13<sup>th</sup> 2013**

Two days faculty member development workshop (Part II) entitled “Learning Objectives” held in the Medical Education Unit, College of Medicine, University of Baghdad.

**11) November 24<sup>th</sup> – November 25<sup>th</sup> 2015**

Two days’ workshop in Integrated Learning Activity and Assessment (Teaching and Assessing In Integrated Curriculum) held in the Medical Education Unit, College of Medicine, University of Baghdad.

**12) December 15<sup>th</sup> – December 16<sup>th</sup> 2015**

Two days’ workshop in The Basic Moodle Course for Professors held in the Medical Education Unit, College of Medicine, University of Baghdad.

**13) March 8<sup>th</sup> 2016**

One day workshop in Personal and Professional Development held in the Medical Education Unit, College of Medicine, University of Baghdad.

**14) March 23<sup>th</sup> – March 24<sup>th</sup> 2016**

Two days' workshop in Integrated Educational Strategies and Assessment held in the Medical Education Unit, College of Medicine, University of Baghdad.

**15) April 12<sup>th</sup> – April 13<sup>th</sup> 2016**

Two days' workshop in Integrated Assessment held in the Medical Education Unit, College of Medicine, University of Baghdad.

**16) Nov. 7<sup>th</sup> -8<sup>th</sup> 2016**

Two days' workshop in Communication Skills held in the Medical Education Unit, College of Medicine, University of Baghdad.

**17) Nov. 30<sup>th</sup> 2016**

One day workshop in How to Design an Integrated Curriculum held in the Medical Education Unit, College of Medicine, University of Baghdad.

**Editorial Board Member in:**

**SM Journal of Virology** (SM Group, USA)

**Journal of Drug Resistant Pathogen Research** (Open Access Pub, USA)

**Review of Manuscripts:**

<b>Title of Manuscript</b>	<b>Name of Journal</b>	<b>Year</b>
Isolation and Identification of Methicillin resistant <i>Staphylococcus aureus</i> from Students' Coins.	African Journal of Biotechnology	2011
Isolation and Identification of Methicillin-Resistant <i>Staphylococcus aureus</i> from Keys of College Students	British Biotechnology Journal	2011
Novel approach of using a cocktail of designed bacteriophages against gut pathogenic <i>E. coli</i> for bacterial load biocontrol	Annals of Clinical Microbiology and Antimicrobials	2014
Bacterial status and Antibacterial Susceptibility Profiles of Selected Pathogens Associated with Suya Meat samples purchased in Bori metropolis, Rivers State, Nigeria	International Research Journal of Public and Environmental Health	2016

The Association of Streptococcus Gallolyticus Subspecies Pasteurianus Bacteremia with the Detection of Premalignant and Malignant Colonic Lesions: A Case Report	Case Reports in Gastrointestinal Medicine	2016
Association of oncogenic bacteria with colorectal cancer in a Chinese single center study	Oncotarget	2016
Chlorogenic compounds from coffee beans exert activity against respiratory viruses	Planta Medica	2016
Biological activity of Butanol extract of <i>Arum palaestinum</i> and its isolated compounds	Asian Pacific Journal of Tropical Biomedicine	2016

#### **English proficiency & Qualification:**

- Four years of Ph.D degree was conducted by English language.
- Ph.D thesis was written, discussed and published in English.
- From 2004 up to present date all teaching of lectures and laboratories are conducted by English language.
- Two years of Master degree was conducted by English language.
- Thesis of Master was written, discussed and published in English, six medical articles published at English.
- Two years at Microbiology department, teaching sessions, writing papers, writing examination, arranging seminars were all conducted by English language.

#### **Computer proficiency:**

- Expert at Windows XP and 2000.
- Expert at Microsoft office 97, 2000 and XP including Microsoft Word, Microsoft Excel and Microsoft Power Point.
- Expert user in Internet and e-mailing.

Note: I declare that everything I have mentioned above is true, and all qualifications are supported by certificates and paper documents that prove the reliability of this CV. I would be pleased to supply my documents on request.

#### **Contact information:**

**Email:**

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