

Majeed Arsheed Sabbah

Nationality: Iraqi

Current Position: Professor assistant, Head of Molecular genetics and forensic DNA Department/ Forensic DNA for research and training Centre/ Alnahrain University.

Previous position: 1/0/2001 to 29/09/2013 Researcher at Biotechnology research centre- Alnahrain University.

Editor for the Biotechnology research centre journal (One year)

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Education/Qualifications

-Post-doctoral fellowship (25/9/2006-10/9/2008), International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, India. (Vaccine discovery for mycobacterium tuberculosis)

-Ph.D. (2002 to July-2006); Biotechnology Department, College of Science, AL-Nahrain University, Baghdad, Iraq.

-Title of thesis: *in vitro* study of the effect of arsenic trioxide and grape skin extract on proliferation, differentiation and apoptosis of blast cells from acute myeloblast cells.

-M.Sc (1997): Biotechnology department, college of science, Baghdad, Iraq.

-Title of thesis: Genetical and microbiological study on macrolide-like producing actinomycetes.

-B.Sc (1994): Biology department, College of science, Baghdad University, Iraq.

Practical training

- Workshop on Biorisk Management Curriculum Analysis/Sandia National laboratoresis/ Sechelles/24-285-2015.

1- Automated DNA extraction and Exycycler 96 real time PCR training course (5days). Application and engineering, Bioneer company, south korea. 2012.

2- Exycycler 96 real time PCR training course (5days). Bioneer company, south korea. 2011.

3- Apogee flow cytometry training course (5days) for operation 50 Universal FC. Jordan-Amman. 2010

4- ICGEB supported "Advanced Practical Course In Mammalian Cell Biology" in May 25 - June 2, 2009 in TUBITAK, Genetic Engineering & Biotechnology Institute (GEBI), Turkey.

5- Theoretical and practical course in Bioinformatics, in Bioinformatics Department ICGEB, Delhi. (Three months), 2007.

-Workshop [Experimental Approaches to studying Host-Pathogen interaction] at international center for genetic engineering and biotechnology, New Delhi, India, 2006 (two weeks).

-Workshop [Protein interaction technologies in biomedical research] at international center for genetic engineering and biotechnology, New Delhi, India, 2005 (two weeks).

-Workshop [Molecular Approaches in Malaria Research and Vaccine Development] at international center for genetic engineering and biotechnology, New Delhi, India, 2006 (two weeks).

6- [Teaching techniques] at education centre, Al-Nahrain University, 2005 (three months).

Skills

Laboratory skills:

Cell culture, Recombinant DNA Technology, PCR, Real time PCR, Genetic analyser, protein expression and purification, Western blotting.

Computational Biology skills:

Analysis of Forensic DNA parameters using Excel, Pase software for DNA analysis.

Language Skills:

- Arabic
- English- fluent

Evaluate paper manuscripts for local and international journals

Member committee for evaluation of Msc and PhD students thesis

Thesis topics supervision: the following are the topics of research:

A- PhD:

- 1- Molecular identification of *Acinetobacter* Spp. in hospitals.
- 2- Molecular identification of *Staphylococcus aureus* in food products.
- 3- Genotyping of *Echinococcus granulosus*
- 4- Molecular identification of *H. influenza* in CSF of children under 5 years, 2012.
- 5- Multiplex PCR diagnosis of children ALL.
- 6- Molecular epidemiology of *Vibrio cholerae* in Iraq outbreaks 2007 to 2009.

B- MSC:

- 1- Separation, *in vitro* Cultivation and Preservation of Umbilical Cord Stem Cells.

- 2- Production and purification of chicken Igy against HbAg.
 - 3- Identification of salt tolerant genes in salt tolerant wheat by real time PC.
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Workshops organization:

I organized several workshops in the following subjects:

- 1- Primer design.
 - 2- DNA extraction from biological sources.
 - 3- PCR technology.
 - 4- Real time PCR experiment and data analysis.
 - 5- Forensic DNA statistics analysis.
 - 6- Animal cell culture principles.
 - 7- Basics of flow cytometry.
 - 8- Principles of Genetic analyser.
 - 9- Basics of bioinformatics.
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Papers:

- 1- Allele frequencies of 15 Autosomal STR loci in the Baghdad Iraqi Muslim and Christian populations. Sent for CMJ for publication in cooperation with Dan Krane- Wright University USA.
- 2- Eman Noaman Ismail, Norea abdhusain Ali, **Majeed Arsheed Sabbah**. Determination of TaGSK1 gene expression in selected wheat under different salt stresses. Egypt. Acad. J. Biolog. Sci., 5(1): 85 – 92 (2014)
- 3- **Majeed Arsheed Sabbah** (2013). Differential screening of randomly amplified cDNAs using RAPD primers in salt tolerance and sensitive wheat. Ibn Alhaitham journal for pure and applied Sciences. Vol26,pp:43-48.
- 4- Ayad Jabir Kubba, Ali Imad Mohammed Munir , **Majeed Arsheed Sabbah** (2013). Rht-B1b and Rht-D1b analysis of Semidwarf wheat cv. Uruq produced

- by Induced Mutation. Iraqi Journal of Biotechnology, 2013, Vol.12, No.2 , 107-113.
- 5- Ghosoon Abduhasan, **Majeed A Sabbah**, Kifah A Jasim and Haifa Hassani. (2013). IDENTIFICATION AND TYPING OF *Haemophilus influenzae* IN IRAQI CHILDREN DIAGNOSED WITH MENINGITIS. International Journal of Microbiology Research. Volume 5, Issue 3, pp.-417-423.
 - 6- Hadeel Kareem Musaffer, Harith Jabbar Fahad Al-Mathkhury and **Majeed Arsheed Sabbah** (2013). OprD Expression and Imipenem Resistance in *Pseudomonas aeruginosa*. Greener Journal of Biological Sciences. Vol. 3 (9), pp. 325-329, November.
 - 7- Buthenia Abdul –Hamza, Ekhlash Mushref, and **Majeed Arsheed Sabbah**. (2013). Prevalence and species distribution of *E. histolytica* and *E. dispar* in symptomatic and asymptomatic patients. Basic education college journal, 19, 747-754.
 - 8- Marwa Hamid, May Talib, and **Majeed A Sabbah**, (2013). Isolation, identification and detection of some virulence factors of Staphylococci in milk and cheese in Baghdad. Iraqi Journal of Science. In press.
 - 9- Marwa Hamid, May Talib, and **Majeed A Sabbah**, (2013). Methicillin resistance and enterotoxigenicity of Staphylococci isolated from milk and white cheese in Iraq. Iraqi Journal of Science. In press.
 - 10- Sanaa R. Oleiwi, Rashid M. Musleh, and **Majeed A Sabbah**. (2013). Study on adhesion ability of *Aeromonas Hydrophila* strains isolated from raw and drinking water in Baghdad city. Iraqi Journal of Science. In press.
 - 11- Sanaa R. Oleiwi, Rashid M. Musleh, **Majeed A Sabbah** and Seham I Ali. (2013). Study on *Aeromonas* Spp. Isolated from raw and drinking water from Baghdad city. Iraqi Journal of Science. In press.
 - 12- Nadheema Hammood Hussein, Harith Jabbar Fahad Al-Mathkhury and **Majeed Arsheed Sabbah**. (2013). Serological relatedness among clinical and environmental *Acinetobacter baumannii* isolates isolated from hospitals in Baghdad. Iraqi Journal of Science, Vol.54, No.3, pp.553-559.
 - 13- Nuha Joseph. Kandalla , **Majeed Arsheed Sabbah**, Daa Abdulsalam. A Comparison of Different methods for RNA and DNA Extraction from Formalin

- Fixedl Paraffin-Embedded Tissues from Different Cancer Samples. FIRST INTERNATIONAL SCIENTIFIC CONFERENCE / UNIVERSITY OF ZAKHO April 23-25, 2013.
- 14- Farooq I Mohammad; **Majeed Arsheed Sabbah**; Ali Hayder; Shaimaa Yusuf Abdulfatah; BanSabah and Baraa Abdualhadi (2012). Isolation and propagation of mesenchymal stem cells from human cord tissue and blood in Iraq. Abstract, Trieste Conference on Frontiers in Cardiac and Vascular regeneration, the first meeting of the ICGEB.
- 15- Noor Hashim Kareem, **Majeed Arsheed Sabbah**, Anas Noori Ibraheem and Al-Shayma'a Muhammad Said (2012). Development of SYBR Green real time PCR for identification methicillin-resistance *Staphylococcus aureus* (MRSA). Journal of biotechnology research centre. Vol7, p, 67-71.
- 16- Tahreer Hadi Saleh, **Majeed Arsheed Sabbah**, Kifah A. Jasem, and Zuhair N. Hammad (2011). Identification of virulence factors in *Vibrio cholerae* isolated from Iraq during the outbreak (2007-2009). Can. J. Microbiol. Vol. 57, 2011.
- 17- Noor Farhan Shamkhi, **Majeed Arsheed Sabbah**, Sabah N. Alwachi (2011). Trehalose and ascorbic acid improves the Cryopreservation of umbilical Cord Blood hematopoietic stem Cells (CD34+) with low Concentrations of Dimethylsulfoxide. Iraqi journa of cancer and medical genetic. Vol4, p: 57-68.
- 18- **Majeed A Sabbah**, Bilal K Sulaiman, kifah, A. Jasim, mohammad M. farhan (2010). Detection of toxigenic *Vibrio cholerae* by PCR. Journal of biotechnology research center, Vo5, p: 18-21,
- 19- Adeeb Abbas, **Majeed A Sabbah**, Abdul-salam Hatam, Luma A. Yasser, and Baan, Abdul-Latif. (2010). Molecular monitoring of Iraqi chronic myeloid leukemia patients using quantitative real-time PCR. Journal of biotechnology research center. Vol 4, No.2, p: 64-69.
- 20- **Majeed A. Sabbah**, Khulood W. Al-Samarae, Ali Muslim, Muhammed R. Abdul Majeed (2010). Short-term cultivation of acute myeloid leukemia blast cells. Journal of biotechnology research center. Vol4, No 1, p: 2-10.

21-Ayat A Abbas, **Majeed A. Sabbah**, and Omar Abid Kathum (2010). Partial purification and in vitro cytotoxicity of L-asparaginase isolated from *Escherichia coli*. Iraqi Journal of Science, Vol.51, No.2, 2010, PP.290-294.