

**Sinan Bahjat Alrifai**  
**Chartered: Assistant Professor**  
**M.B.Ch.B., M.Sc., F.I.B.M.S.**



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**Nationality:** Iraqi

**Gender:** Male

**Date of birth:** 14<sup>th</sup> May 1975

**Marital status:** Married

**Languages:** Arabic (mother language), English (fluent)

## EDUCATION AND QUALIFICATIONS

**Nov 2014:** **FIBMS / Pathology (Microbiology- Immunology)**  
Iraqi Board for Medical Specializations.  
Ministry of Higher Education and Scientific Researches.

**June 2006:** **M.Sc. (Master of Science in Medical Microbiology)**  
College of Medicine \ Tikrit University – Iraq.

**Jul 1999:** **M.B.Ch.B.**  
College of Medicine, Al-Mustansiriya University / Baghdad.

**July 1993:** **Academic Degree for Completing Secondary School-** Scientific Section (Baghdad College Secondary School for Boys).

## **CERTIFICATIONS**

- Dec 2000:** Certificate in “Living Foreign Language Proficiency Test” from University of Baghdad/ College of Languages- Central Committee for Foreign Language tests (Test Centre No.1) in 2<sup>nd</sup> of December 2000.
- Apr 2007:** Certificate in “Computer and Informatics Course” from Tikrit University/ Continuous Education and Development Centre- The Computer and Informatics Unit, from 18<sup>th</sup> of March- 8<sup>th</sup> of April 2007.
- Nov 2008:** Certificate in “Teaching Methods Course” from Tikrit University/ Continuous Education and Development Centre- Teaching Methods Unit, from 26<sup>th</sup> of October- 18<sup>th</sup> of November 2008.
- Oct 2009:** Certificate on both E- Learning and Computer Based assessment from Khartoum University, from 31<sup>st</sup> of October – 3<sup>rd</sup> of November 2009.
- Oct 2010:** Certificate in “IC3 2005 standard computing fundamentals” and “IC3 2005 Standard Key Applications” and “IC3 2005 Standard Living Online” from University of Baghdad- postgraduate center on 26<sup>th</sup> of August 2010.
- Apr 2014:** Certificate in “PCR Training” from University of Baghdad/ College of Medicine- Continuing Medical Education Unit from 13<sup>th</sup> to 17<sup>th</sup> of April 2014.
- Dec 2019:** Certificate in “Internal Auditor based on QMS ISO 9001:2015” from Innovators Training Company, Baghdad, Iraq from 15<sup>th</sup> -19<sup>th</sup> of December 2019.

## **PRESENT POSITION**

- Nov 2019 –present:** Assistant Professor of Pathology/ Medical Microbiology & Immunology at Ibn Sina University of Medical and Pharmaceutical Sciences/ College of Medicine. My position in the University now is the *Vice President for Scientific Affairs*.

## CAREER HISTORY

- Nov 2017 – Nov 2019:** Assistant Professor of Pathology/ Medical Microbiology & Immunology at Ibn Sina University of Medical and Pharmaceutical Sciences/ College of Medicine. At this time, I was the *Dean of the College of Medicine*.
- Oct 2016 – Nov 2017:** Pathology/ Medical Microbiology & Immunology Lecturer at Ibn Sina University of Medical and Pharmaceutical Sciences/ College of Dentistry- Department of Basic Sciences, Besides, I was the *Vice Dean for Administrative Affairs* in the College of Dentistry.
- Apr 2016 – Oct 2016:** Pathology/ Medical Microbiology & Immunology Lecturer at Ibn Sina University of Medical and Pharmaceutical Sciences/ College of Dentistry- Department of Basic Sciences, besides, I was the *Head of Planning and Study Department*.
- Nov 2014 – Apr 2016:** Lecturer in Pathology/ Medical Microbiology and Immunology for the 2<sup>nd</sup> and 3<sup>rd</sup> grade students/ dept. of Medical Microbiology, also for the 1<sup>st</sup> grade students in Human Genetics/ dept. of Medical Microbiology.
- Oct 2009 – Nov 2014:** Senior House Officer (S.H.O) in Medical City/ Directorate of Teaching laboratories in Baghdad, studying the fellowship degree of the Iraqi Board for Medical Specializations/ Pathology- Microbiology and Immunology.

Attended the preliminary courses of pathology for postgraduate studies (general medical microbiology and immunology, histopathology, general haematology, chemical pathology) and passed the primary examination of the first year. Trained in different methods used for diagnosing immunological diseases. Isolation and identification of different bacteria, viruses, fungi, parasites and helminth. Trained in Molecular biology and HLA typing. Trained in different methods used for diagnosing allergic diseases. Practically trained in laboratory and made reports under supervision, actively participated in daily and weekly scientific activities of immunological and microbiological laboratories. Trained in polymerized chain reaction (PCR) and flow cytometry techniques. Gave seminars in microbiology-immunology. Submitted a thesis -fulfilling part of the

requirements to enter the final examination- entitled "The role of anti-lysozyme and anti-lactoferrin autoantibodies in chronic inflammatory bowel diseases: Serological Study", and passed the final comprehensive examination and completed all the requirements for the degree of "fellow" of the Iraqi Board for Medical Specializations and gained the degree.

Also, Lecturer for the 1<sup>st</sup> grade students in Tikrit University/ College of Medicine in Human Genetics/ dept. Of Medical Microbiology for the academic years (2012-2013) and (2013-2014).

**Jul 2009 – Oct 2009:** Lecturer in Medical Microbiology & Immunology, Tikrit University/ College of Medicine- Department of Medical Microbiology for the 2<sup>nd</sup> and 3<sup>rd</sup> grade students/ dept. of Medical Microbiology.

Also, worked as the "Editor" for "*Tikrit Medical Journal*", in addition to the teaching tasks.

**Nov 2007 – Jul 2009:** Assistant Lecturer in Medical Microbiology and Immunology for the 2<sup>nd</sup> and 3<sup>rd</sup> grade students/ dept. of Medical Microbiology.

Also, worked as the "Editor" for "*Tikrit Medical Journal*", in addition to the teaching tasks.

**Jun 2006 – Nov 2007:** Assistant Lecturer in Medical Microbiology and Immunology for the 2<sup>nd</sup> and 3<sup>rd</sup> grade students/ dept. of Medical Microbiology.

Also, worked as the "*Faculty Council Reporter*", in addition to the teaching tasks.

**Oct 2003 – Jun 2006:** Studied the Master degree in Medical Microbiology at Tikrit University/ College of Medicine. Submitted a thesis – as partial fulfilment for the requirements of the master degree- entitled "Nosocomial diarrhoea in children under 5 years of age in Tikrit Teaching Hospital" and gained the degree.

**Nov 2002 – Oct 2003:** Teaching Assistant in Medical Microbiology Dept./ Tikrit University College of Medicine for the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> grade students.

**Apr 2002 – Nov 2002:** Senior House Officer (S.H.O) in Salahaddin Health Directorate/ Baiji General Hospital.

**Dec 2000 – Apr 2002:** Resident House Officer (Rotating Internship) at Al-Rusafa Health Directorate in Baghdad/ Several Hospitals (Saddam General Hospital- practicing Dermatology, ENT, and Ophthalmology, Al-Mada'in General Hospital- practicing

Emergency Medicine and CCU, Ibn Rushd Hospital for Psychiatric illnesses- practicing Psychiatry, Al-Qadisiya General Hospital- practicing General Surgery, and Ibn El-Baladi Hospital for Children- practicing Paediatrics and Thalassaemia management).

**Oct 1999 – Dec 2000:** Resident House Officer (Rotating Internship)- employed for the first time- in Al-Qadisiya Health Directorate/ Al-Diwaniya Teaching Hospital- practicing Internal Medicine, General Surgery, Paediatrics, and Gynaecology).

## **RESEARCHES & PUBLICATIONS**

All of my researches and publications are possible to be viewed from [www.academia.edu](http://www.academia.edu), and are listed below:

1. "Study of Urinary Tract Infection Among Pregnant Women in Kirkuk", *Tikrit Medical Journal* 2007; 13 (2): 39-43.
2. Evidence of Multi-Drug Resistant Group G Streptococci (GGS) in the Paediatrics Ward at Tikrit Teaching Hospital", *Tikrit Journal of Pharmaceutical Sciences* 2007; 3 (2): 135-137.
3. "Secondary Nocturnal Enuresis due to *Enterobius vermicularis* in Adult Patient: A Case Report", *Tikrit Medical Journal* 2008; 14 (1): 169-171.
4. "Study on asymptomatic *Neisseria gonorrhoeae* cases Among Infertile Subjects in Tikrit City and its Surroundings", *Tikrit Medical journal* 2008; 14 (1): 196-202.
5. "Diagnosis of Tuberculosis in Respiratory Center in Baghdad", *The N Iraq J of Medicine* 2010; 6 (3): 86-88.
6. "A Study on Mycoplasma and Ureaplasma Species and their Association with Gonorrhoea in Infertile Females in Tikrit District", *Tikrit Medical Journal* 2010; 16 (1): 98-104.
7. "Prevalence and Etiology of Nosocomial Diarrhoea in Children < 5 Years in Tikrit Teaching Hospital", *Eastern Mediterranean Health Journal* 2009; 15 (5): 1111-1118.
8. "Nosocomial Diarrhoea in Relation to Sanitation State: A Study in Tikrit, Iraq", *Eastern Mediterranean Health Journal* 2010; 16 (5): 546-552.
9. "Autoimmune Hepatitis Markers in Association with Chronic Viral Hepatitis B and C", *Tikrit Journal of Pharmaceutical Sciences* 2012; 8 (2): 228-233.
10. "The Role of Anti-Lactoferrin and Anti-Lysozyme Autoantibodies in Ulcerative Colitis: Serological Study", *IORS Journal of Applied Chemistry* 2013; 5 (4): 33-38.
11. "Handbook of Dietary and Nutritional Aspects of Bottle Feeding: Nosocomial Diarrhoea and Formula Feeds- Iraqi Perspectives", *Wageningen Academic Publishers* 2014. eISBN: 978-90-8686-777-6 / ISBN: 978-90-8686-223-8. DOI: <http://dx.doi.org/10.3920/978-90-8686-777-6>

12. "The Relation between Chronic Aseptic Arthritis and Previous Chlamydia Infection among Middle Aged Iraqi Patients", *British Journal of Medicine and Medical Researches* 2015; 8 (4): 353-361.
13. "Immunomodulator Effects of Azithromycin, Ciprofloxacin and Ceftriaxone on Cross - Reaction between Widal Test and Anti-Helicobacter Pylori Igm in Acute Typhoid Fever", *International Journal of Science and Researches* 2015; 4 (4): 2541-2546.
14. "Assessment of serum prolactin levels in acute myocardial infarction: the role of pharmacotherapy". *Indian Journal of Endocrinology and Metabolism* 2016; 20: 72-79.
15. "Antibiotic Resistance pattern of HA-MRSA strain isolated from Leukaemia patients in Baghdad, Iraq". *The 17th ICID conference*, Hyderabad- India 2016.
16. "Management of internal derangement of Temporomandibular joint with platelet rich plasma: Pilot study". *Mustansiriya Dental Journal* 2018; 15 (1): 122-129.
17. "Efficacy of Chlorzoxazone versus Orphenadrine in the management of pain associated with cervical spondylosis". *Rawal Medical Journal* 2018; 43 (3): 488-490.
18. "Downregulation of S100a7a antimicrobial peptide in acne vulgaris patients after isotretinoin therapy". *Dermatologic Therapy* 2019; 32 (6): e13136
19. "The Efficacy of Oral Ketoconazole in Reduction of Lipase Enzyme Activity of Cutibacterium Acnes in Acne Vulgaris Iraqi Patients". *International Journal of Pharmaceutical Research* 2020; S1: 1283-1287
20. "Immunohistochemical Expression of Programmed Death Ligand1(PDL1) in Head and Neck Tumors Among Group of Iraqi Patients". *Pakistan Journal of Medical and Health Sciences* 2020; 14(3): 1153-1156
21. "Surveillance of Multidrug-resistant Iraqibacter Isolated from Patients with Urinary Tract Infection at a Baghdad Urology Center". *Journal of Medicinal and Chemical Sciences* 2022; 5: 753-759

### **VOCATIONAL MEMBERSHIP**

- Full Member of the Iraqi Medical Association (IMA) - with licence no. (27761), since 1999.
- Full Member of the International Iraqi Medical Association (IIMA) - with licence no. (4717), since 2008.
- Full Member of the International Society for Infectious Diseases (ISID), since 2011.
- Full Member of the European Society of Clinical Microbiology and Infectious Diseases (ESCMID), for two years: 2011-2013, then as a registered member since 2013.

## **CLINICAL SKILLS AND EXPERIENCE**

I have a wide range of skills and experience in Pathology/ Medical Microbiology and Immunology investigations, with over 14 years of specialising in this field. This experience has been gained in several Hospitals and medical institutes among the country. Those hospitals were teaching ones at certain circumstances. I detailed below some of my more specific experience:

### **Performing various bacteriological culture techniques**

I am expert in performing different culture techniques including blood culture techniques, urine culture techniques, stool culture techniques, CSF culture techniques, sputum culture techniques, and various swab culture techniques. Also, I am expert in using conventional methods for isolation and identification of the various microorganisms that are picked from the medical samples via previously mentioned techniques (i.e. in performing the necessary biochemical, serological, and other advanced techniques to reach the diagnosis).

### **Performing various serological & immunological techniques**

I have a broad knowledge of using wide spectrum of serological and immunological techniques in diagnosing multiple medical conditions including latex agglutination tests, two- fold dilution technique, single & double diffusion techniques, Allergic panel tests, gastric panel tests, various ELISA techniques, ELFA technique, immunofluorescence technique, and conventional & real- time PCR techniques.

### **Performing various Parasitology identification techniques**

I have performed general wet mount & simple stain techniques in order to identify various protozoan and helminth infection, also, using some additional available techniques to reach the precise diagnosis.

### **Performing various viral identification techniques**

Throughout my career, I have used various techniques in diagnosing viral infections including ELISA, ELFA, chemiluminense, and PCR techniques.

### **Performing various fungal identification techniques**

I have the ability to hold with many fungal infections picked from medical samples by isolation and identification of these fungi using conventional methods.

### **Performing various molecular techniques**

I have received comprehensive training in the use of polymerase chain reaction (PCR) techniques (both conventional and real- time PCR techniques) in diagnosing various microorganisms and in HLA typing.

## **CONTINUING PROFESSIONAL DEVELOPMENT**

I have always been very keen to build on my knowledge and capabilities and have attended numerous courses, lectures and conferences relevant to my specialty, while taking other opportunities to build my expertise. I also derive satisfaction from using the knowledge I have gained, not only in my day-to-day work, but also by sharing it with colleagues and junior staff through presentations and teaching.

## **TEACHING EXPERIENCE**

During my career, I have been actively involved in teaching pathology/ medical microbiology and immunology procedures to resident house officer doctors, medical students and sub staff. This has included both the theoretical basis and clinical aspects of this field.

In my current role at the Ibn Sina University of Medical and Pharmaceutical Sciences (ISUMPS)/ College of Medicine, I am responsible for providing lectures as a part of the 3<sup>rd</sup> and 4<sup>th</sup> grade medical students' syllabus in Pathology/ Medical Microbiology and Immunology. Also, I am participating in inter-departmental activities.

In my previous post as a Senior House Officer (S.H.O.) at Medical City/ Teaching Laboratories, I gave many clinical presentations to my colleagues, junior doctors, and sub-staff. I participated in postgraduate academic meetings by giving both lectures and seminars. During my routine daily work, I participated in teaching junior doctors and medical students the practical and theoretical aspects of Pathology/ Medical Microbiology and Immunology. I took an active role in the teaching program of the Iraqi Board for Medical Specializations of Pathology/ Medical Microbiology and Immunology; which included preparing and delivering formal lectures and presentations, at weekly departmental meetings.

I also have provided lectures in laboratory investigations at Ministry of Higher Education and Scientific Researches/ Al-Door Techno-Medical Institute -2<sup>nd</sup> grade students for the academic year 2007-2008, as part of the cooperation programs between Tikrit University/ College of Medicine and Al-Door Techno-Medical Institute at that time.



## IT SKILLS

I am a competent user of computers and software, in particular Microsoft Word, Excel, and PowerPoint. I also regard the internet as a valuable tool for conducting literature, and deeply involved in E-learning system at ISUMPS, especially during the worldwide COVID-19 pandemic. Also, I am a good statistician for bio- analyses.

## PERSONAL INTERESTS

I think a healthy work- life balance is important to maintain a positive lifestyle and attitude and my interests include Information Technology. I read a lot trying to update my knowledge and experiences. I have good relations with a number of my colleagues abroad, interpret always with them and see their progress.

## REFEREES

- **Ministry of Health / Al-Diwaniya Health Directorate Hospitals**
  - Dr. **Basim S. Abid ali**, Senior doctor- Neurosurgeon. [+964 770 2894639](tel:+9647702894639)
- **Ministry of Health / Baghdad / Al-Rusafa Health Directorate Hospitals**
  - Dr. **Saad el-deen H. Ali**, Senior doctor- Community medicine. [+964 770 2510033](tel:+9647702510033)
  - Dr. **Bahjat A. Thabit**, Senior doctor- Community medicine. [+964 770 2965060](tel:+9647702965060)
- **Ministry of Health / Salahaddin Health Directorate –Baiji General Hospital**
  - Dr. **Mohammed S. Alawi**, Senior Doctor- Allergy and Immunity. [+964 770 1726844](tel:+9647701726844)
- **Ministry of Higher Education & Scientific Researches / Al-Door Techno-medical Institute**
  - Mr. **Ghassan J. Hadi**, Head of Dept. of Microbiology / Al-Door Techno-Medical Institute. [+964 770 1721230](tel:+9647701721230)
- **Ministry of Higher Education & Scientific Researches / Tikrit University- College of Medicine**
  - Ass. Prof. Dr. **Abid A. Salman**, Senior Doctor, Community medicine. College of Medicine- Tikrit University- The Dean. [+964 21 825759](tel:+96421825759) and [+964 770 1831540](tel:+9647701831540)
  - Prof. Dr. **Yusra A. Mahmood**, Senior Doctor, Pediatrics. College of Medicine- Al-Iraqiya University. [+964 770 1716601](tel:+9647701716601)
  - Prof **Khalid O. Mohammed Ali**, Head of Dept. of Microbiology and Immunology/ College of Medicine- Tikrit University. [+964 770 1775120](tel:+9647701775120)
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