

# CURRICULUM VITAE

Issam AL-Ani



## PERSONAL INFORMATION

<b>Full Name:</b>	Issam Jumaa
<b>Family name</b>	Al-Ani
<b>Date of birth</b>	06 January 1978 / Baghdad
<b>Nationality</b>	Iraqi
<b>Blood group</b>	B+
<b>Home address</b>	Baghdad
<b>Marital Status</b>	Single
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## UNIVERSITY EDUCATION

**2010 -2015** PhD. from Heidelberg University / Germany /College of Natural Science a fellowship by German Academic Exchange Service (**DAAD**).

PhD - Thesis Title: Pharmacological synergism of bee venom and melittin with antibiotics and plant secondary metabolites against drug- sensitive and multi-drug resistant microbial pathogens. Supervised by Prof. Dr. Michael Wink.

**2003- 2006** MSc from Foundation of Technical Education /College of Health and Medical Technology/Baghdad. MSc Thesis Title: Advance technology (BACTEC MGIT 960 and Polymerase Chain Reaction) use in isolation, identification, and antibiotic susceptibility test for *Mycobacteria*.

**1999 – 2002** Bachelor Degree in Medical Laboratory Technology from the College of Health and Medical Technology /Baghdad /Foundation of Technical Education.

**1996 -1999** Diploma in Medical Laboratory Technology from Institute of Medical Technology / Baghdad / Foundation of Technical Education.

## **ACADEMIC QUALIFICATIONS**

**2017- until now** Assistant professor Dr. at College of Health &Medical Technology/ Baghdad  
Middle Technical University / Department of Medical Laboratory  
Technology/Ministry of Higher Education and Scientific Research

**2009 - 2016** Lecturer in College of Health &Medical Technology/ Baghdad/ Middle Technical  
University / Department of Medical Laboratory Technology / Ministry of Higher  
Education and Scientific Research.

**2006- 2009** Assistant Lecturer in College of Health &Medical Technology/ Baghdad / Department  
of Medical Laboratory Technology / Middle Technical University / Ministry of Higher  
Education and Scientific Research.

**2002 -2006** Researcher in College of Health &Medical Technology/ Baghdad / Department of  
Medical Laboratory / Middle Technical University /Ministry of Higher Education and  
Scientific Research

## **MEDICAL AND SCIENTIFIC SOCIETIES**

- 1- Member in German Society for Hygiene and Microbiology.
- 2- Member in Federation of European Microbiological Societies.
- 3- Member in Syndicate of Iraqi Medical Technologists.
- 4- Member in Association of the Technological Medical Specialties / Baghdad.

## **LANGUAGES**

- **Arabic Native Language // English // German B1**

## **Fellowships**

PhD fellowship of German Academic Exchange Service (**DAAD**) from 01/06/2010 to  
30/09/2015.

## **Reviewer Journal**

- Scientific Reports
- Asian Pacific Journal of Tropical Medicine
- African Journal of Biochemistry Research

## **TECHNICAL SUMMARY**

The practical experience in the following fields:

- 1- Tuberculosis, Multi-Drug Resistant Bacteria, Antimicrobial Activity of Peptides, PCR and DNA extraction.
- 2- Bee Venom Research, ELISA (Enzyme-Linked Immunosorbent Assay), High Performance Liquid Chromatography (HPLC), Gas Chromatography–Mass Spectrometry (GC-MS), Thin Layer Chromatography (TLC).
- 3- Analysis of plant secondary metabolites by (GLC, HPLC, GLC-MS, LC-MS, NMR).

## **Computer Skills and Statistical Analysis Software.**

- 1- All Skills of Computer, Format and Setup Windows XP, Microsoft Word, Microsoft Front Page, Microsoft Power Point, Adobe PhotoShop. and all aspects of computer troubleshooting.
- 2- Scientific Data Analysis and Graphing Software, GraphPad Prism 7, SPSS Statistics, and SigmaPlot.

## **RECOGNITIONS**

Thanking from the chairman of foundation of technical education due to obtain the first degree in the cycle Participation in teaching competencies course from the staff development center and more than 50 Thanking from Dean of the College of Health & Medical Technology / Baghdad due to participation in the different work and more than **100 training courses** in various laboratory techniques in and out of Iraq

## Selected Publications

- 1- **Issam A.**, Zimmermann S., Reichling J., Wink M. (2015): Pharmacological synergism of bee venom and melittin with antibiotics and plant secondary metabolites against multi-drug resistant microbial pathogens. *Phytomedicine* 22, 2. 245-255. <https://doi.org/10.1016/j.phymed.2014.11.019>
- 2- **Issam AL-Ani**, Stefan Zimmermann, Jürgen Reichling, and Michael Wink. (2018): Antimicrobial Activities of European Propolis Collected from Various Geographic Origins Alone and in Combination with Antibiotics. *Medicines* 2018, 5(1), 2. <https://doi.org/10.3390/medicines5010002>
- 3- Stucki D., Brites D., Jeljeli L.,..... **Issam A.**, ... et al. (2016): *Mycobacterium tuberculosis* lineage 4 comprises globally distributed. *Nature Genetics* 48. 12. 1535-1543. <https://doi.org/10.1038/ng.3704>
- 4- **Issam A.**, Zimmermann S., Reichling J., Wink M (2012): Pharmacological synergism of benzyl isothiocyanate, carvacrol, and kaempferol with antibiotics against multi-drug resistant pathogens. *International Journal of Medical Microbiology*. 302, 1: 3-155  
<https://doi.org/10.1016/j.ijmm.2012.08.001>
- 5- Nurcahyanti A., **Issam I.**, Frank S., Jürgen G., Nurliani B., Jürgen R., and Michael W. (2016): Chemical Composition of the Essential Oil from Aerial Parts of Javanian *Pimpinella pruatjan* Molk. and Its Molecular Phylogeny. *Diversity* 8, 3 15. <https://doi.org/10.3390/d8030015>
- 6- Nurcahyanti A., **Issam I.**, Frank S., Jürgen G., Nurliani B., Jürgen R., and Michael W. (2017). Essential Oil Composition, In Vivo Antioxidant, and Antimicrobial Activities of *Pimpinella pruatjan* from West Java, Indonesia. *The Natural Products Journal* 7, (4).  
<https://doi.org/10.2174/2210315507666170620093210>
- 7- Braun M, **Al-Ani I**, Wink M. (2012): Antibakterielle Aktivität von Bürzeldrüsensekreten. *Vogelwarte* 50:279-280.
- 8- **Issam AL-Ani**, (2017): Identification and Characterization of OXA-48 Carbapenemase- Producing Enterobacteriaceae Clinical Isolates in Baghdad Mustansiriya Medical Journal. Vol.16 Issue: 3 . P.11-18 DOI: <https://doi.org/10.26903/mmj.v16i3.105>
- 9- **Issam AL-Ani**, (2017): Synergistic Effect of silver nanoparticles and polymyxin B on multidrug-resistant *Acinetobacter baumannii* isolated from burn wound infections. *IRAQI JOURNAL OF COMMUNITY MEDICINE*. volume:31 issue:2

**10 - Issam AL-Ani, (2018):** Anti-bactericidal and anti-biofilm activities of silver nanoparticles against multidrug-resistant Gram-negative bacilli isolated from burn wound infections. Al-Kindy College Medical Journal. Vol.14 Issue: 2 P 64.

**11 - Issam A., (2009):** One-Step Immunochromatographic Dipstick Test for Rapid Detection of *Vibrio cholerae* O1 in Stool Samples. Iraqi J. Comm. Med., JAN. 23 (1).

### **CONFERENCE PAPERS**

- 1. Al-Ani I, Zimmermann S, Reichling J, Wink M (2013):** Chemical composition and biological activities of Irish propolis and populus buds (Poster submitted on the 5 th Congress of European Microbiologists (FEMS), Leipzig, 21-25 July, 2013).
- 2. Al-Ani I, Zimmermann S, Reichling J, Wink M (2012):** Synergism between bee venom and propolis with antibiotics against human respiratory pathogens (Poster submitted on the International Conferences of Tuberculosis, Institute Pasteur, Paris, 11-15 September, 2012).
- 3. Nurcahyanti ADR, Al-Ani I, Sporer F, Wink M (2012):** Chemical composition, antioxidant, and antimicrobial activity of the essential oils from root and aerial parts of *Pimpinella*, endemic species from Java Island, Indonesia (Poster submitted on the 43rd International Symposium on Essential Oils Faculty of Sciences of the University of Lisbon, Portugal, 5-8 September, 2012).
- 4. Issam Al-Ani, Zimmermann S, Reichling J, Wink M. (2011):** Bee venom and propolis synergism with vancomycin against multidrug-resistant bacteria (Poster submitted on the Symposium on the Phospholipids in Pharmaceutical Research, Heidelberg, 12– 13 September 2011).
- 5. Issam A. and Abass M. (2016):** Correlation between hyperglycemia and Rheumatoid factor in type-2 Diabetic patients in Mussaibe City. Conference of Southern Technical University -Iraq. 1.
- 6. Issam A. (2009):** BACTEC MGIT 960 and Polymerase Chain Reaction use in Diagnosis of Multi drug-resistance Tuberculosis. 11<sup>th</sup> scientific conference of Ministry of Higher Education and Scientific Research Foundation of Technical Education / College of Health and Medical Technology.
- 7. Issam AL-Ani (2008):** Immunochromatographic strip test for rapid diagnosis of anti-K39 IgG in visceral leishmaniasis infection. 11th scientific Conference of Ministry of Higher Education and Scientific Research Foundation of Technical Education / College of Health and Medical Technology. Iraq.
- 8. Issam AL-Ani (2008):** Comparison between cardiac markers and isoenzymes use cardiac reader and chromatographic immunoassay in the early detection of acute myocardial infarction. 7<sup>th</sup> Scientific Conference of Alnhrin University / College of Medicine
- 9. Issam AL-Ani (2003):** Rapid and inexpensive laboratory diagnosis methods for follow up tuberculosis treatment. Conference of Environmental Health by Foundation of Technical Education - Iraq.