



Dr. Suleiman Al-Khalil

FIBMS, CCHEM, M.R.S.C.

- **Dean , Faculty of Agriculture & Veterinary Medicine An-Najah National University.**
- **Hisham Hijjawi Scientific award for Applied Science (Pharmaceutical Industry) 2002.**
- **An-Najah National University Research Award for 2014.**

Name

Suleiman Ibrahim AL-Khalil.

Marital status: Married.

Children: Five.

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Education

B.Sc. Biochemistry, Baghdad University, 1977

M.Sc Medicinal Chemistry, University of Technology, Loughborough, England, 1980.

Title of M.Sc thesis: " Steroidal methylene Lactones as potential -anti - tumor agents"

Ph.D Medicinal Chemistry, University of Technology, Loughborough, England, 1984.

Title of Ph.D. thesis: "An Investigation of the Biological & Chemical Reactivity of Substituted Nitro Compounds".

Employment

1980-1983 Research Assistant, Medicinal Chemistry Department, University of Technology, Loughborough, England.

1984-1985 Assistant Professor, Department of Biological Sciences, Faculty of Science, An-Najah National University, Nablus West Bank

Oct. 1985-June. 1992 Chairperson, Department of Medical Laboratory Sciences, An-Najah National University, Nablus, West Bank.

June 1989-Oct. 1994 Dean of Academic Research & Graduate Studies.

June 1992 Associate Professor, Department of Medical Laboratory Sciences, Faculty of Science An-Najah National University, Nablus, West Bank.

Aug-Sept 1991 Visiting Professor, School of Allied Health Professions. University of Wisconsin, Milwaukee, WI 53201, USA

May. 1994 Member of Palestinian Biomedical Research Delegation to visit National Institute of Health, Bethesda, Maryland, USA

Oct .1996-Sep. 2001 Chairperson, Department of Medical Laboratory Sciences, Faculty of Science, An-Najah National University, Nablus-Palestine

Oct. 1998-2006: Coordinator, Public Health, Health Promotion Graduate Program, An-Najah National University Nablus-Palestine. Graduate school.

Oct. 1999–Aug. 2013 Director, Central Medical Laboratory, An Najah National University, Nablus-Palestine. (Licensed by MOH)

June. 2001-Aug. 2001 Study visit scholarships by DAAD, Conducting research at Dusseldorf University in cooperation with Prof. Dr. R. Bauer of the Inst. Of Pharmaceutical Biology/ Germany.

Jan. 2002 Sabbatical to study MI Prevention at Bristol Heart Foundation, Medical School/ Bristol, England (Pending).

Oct. 2002-July 2008 Coordinator For University Scientific Research Centers, An Najah N. University Nablus-Palestine.

July 2008- Sept 2008 Dean of Faculty of Science and Coordinator for Scientific Research Centers, ANU. Nablus –Palestine.

July.2008 - July.2012 Dean Faculty of Sciences

July 2012 present Dean Faculty of Agriculture & Veterinary Medicine

Teaching Experience

Since 1985 I have taught the following undergraduate courses. Cell physiology, Biochemistry, Clinical Biochemistry, Pharmacology, Academic Research, Special Topics (Hormones & Vitamins), General Biology, Human Biology, Human Nutrition, Environment and public Health. (taught jointly with laboratory work).

Membership in Professional Associations

- 1) Fellow of the Institute of Biomedical Sciences, FIBMS/London-England.
- 2) Member of the Royal Society of Chemistry C.CHEM, MRSC/London-England.

Research Background & Areas of Interest

My research program during my postgraduate work was centered on preparing & testing compounds as chemotherapeutical agents to be used in anti-tumor agents such as steroidal methylene lactone. Second group of compounds of aliphatic Nitro derivative were prepared & tested of their antibacterial & anti fungal activities & their mode of actions were studied. The techniques that have been used during this work were:

- 1) Microbiological & Pharmacological assay of target compounds.
- 2) Instrumentations:UV,IR,H1NMR,C13NMR,ESR.
- 3) Chromatography techniques-TLC, GC, HPLC.

My current research include pharmaceutical Quality Control using various analytical techniques. The main objective of this work is to check the quality of local pharmaceutical products produced by West Bank factories independently & send recommendations about the result for the manufacturer in concern. Other area of interest is to study the effect of the Palestinians herbal & medicinal plants on intestinal motility & their activity bacteria & fungi. The effect of Salvia Fruticosa & Tuctrium Polium was intensively studied. The technique that have been utilized during this work includes testing various herbal extract on activity of the rabbit small intestine by measuring its contractile response. In fact this is an interesting areas since such medical treatment is still in practice & the use of Herb's in common in palestine. Diagnosis of Brucellosis & Hepatitis in the northern part of Palestine is another area of interest. Over the last year, we have developed our laboratories at An-Najah, in order to carry out routine analysis related to Hemogolobinpathies.

This includes Hb-electrophoresis, microscopic examinations & relevant enzymatic activities. The significant of this service stems from the fact that there is no such service

in the northern part of Palestine. Our intention is to establish a Thalassemia Center at the University, since our preliminary screening shows a high incidents of this disease in the area. Finally, Normal Values for blood Cholestrol, Uric acid, Triglycerides. Glucose, for representative geographical areas in Palestine is in progress.

Community Service Activities

- 1) Coordinator for Central Cooperative Laboratory for analysis of Olive Oil, Water, water quality, Soil, Pesticides in collaboration with AMC & UNDP representative.
- 2) President (elect) of Patient's Friends Society/Tulkarm 1993- 1996
- 3) President (elect) of Patient's Friends Society/Tulkarm 1996-1998.
- 4) Founder and coordinator of Day care and Medical Center of PFS of Tulkarm 1993.
- 5) Founder and President of Khadori Friends Society 1998-2004.
- 6) President (re elected) of Khadori Friends Society 2004-2007.
- 7) President (re elected) of Khadori Friends Society 2007-2009.
- 8) President (re elected) of Khadori Friends Society 2009-Present.
- 9) Deputy Mayor Tulkarm Municipality.
- 10) Member of the Board of Trustees \ Al-Quds Open University.

Research Proposals & Projects Written & Funded

- 1) Pharmaceutical Quality Control produced by local West Bank factories. Amideast, Jerusalem, Applied Research proposal unit funded at \$3200.
- 2) Hemoglobinopathies in the northern part of the West Bank, Amideast-Jerusalem funded at \$5000.
- 3) The Potential of medicinal plants, Amideast-Jerusalem funded at \$6000.

Awards

- I. An-Najah National University Research Award for 2014.
- II. Dec.2002 – Hisham Hijjawi Scientific Award for Applied Sciences in Industrial and Energy Sector (Pharmaceutical Industry).
- III. An-Najah National University Research Award for the year 2014/2015.
- IV. Scholarship to visit University of Technology, Loughbrough,England to carry out research work.Nov.1988-Jan.1989 sponsored by the British Council / Jerusalem.
- V. Scholarship to visit University of Wisconsin at Milwaukee, U.S.A, 1st August-14th Sep 1992 Academic Exchange (program).

- VI. Scholarship to visit selected number of British Universities to initiate Academic links&cooperation between British Institutions (Bristol, Leicester, Loughborough,London & Nottingham Universities). 31st August-15th Sep.1991 sponsored by the British Council/Jerusalem.
- VII. Postdoctoral Research at the Kings College - London 19th August - 20th Sep.1993 financed by the British Council.
- VIII. Study visit scholarships by DAAD, Conducting research at Dusseldorf University in cooperation with Prof. Dr. R. Bauer of the Inst. Of Pharmaceutical Biology/ Germany June2001-Aug2001.

Administrative Background

- 1) Chairman of Medical Laboratory Sciences Department (from Oct.1985-June 1992).
- 2) Dean of Academic Research & Graduate Studies (from June 1989-Oct.1994).
- 3) Editor-in-Chief,An-Najah Journal of research (Humanities& Pure applied Sciences).
- 4) Participating in the following councils & committees;-Faculty of Science committee, Dean's Council, University Needs Assessment Committee, Academic Research Committee, Graduate Studies Committee, Administration Development Committee, Medical Secretary Committee, Conferences & seminar Committee, Refugees Center Committee, Studies Affairs Committee, Palestinian Architecture Committee,Scholarships & Human Resources Development Coordinator, Organizing Committee(s) for the First Palestinian Chemical Conference July 1992.Drug Addiction in the West Bank, Chemical & Biological effect July 1987.The first Palestinian Administrative Conference July 1993,Industrialization in the West Bank Symposium, Energy in the West Bank & Gaza Conference Dec.1991.Water in West Bank & Gaza July 1991.

Published papers

1. Mode of Action of the Antimicrobial Compound 5-Bromo-5-Nitro-1,3-dioxin(Bronidox).Folio Microbial 1986,vol.31 PP 19-30.
2. Radical-Nucleophile Substitution Reactions & Electron Spin Resonance Studies of nitroazides.J.Chem.Soc.Perkin Trans.1,1986,PP 555-571.
3. Metronidazol & its determination in pharmaceutical dosage forms by D.Polarography.Analytical Letters. 1986,19(3&4),453.
4. Effects of TUCRIUM POLIUM boiled leaf extract on intestinal motility & blood pressure.Journal of Ethnopharmacology, 1988,22m111.
5. Polarographic Assay of Ranitidine Drugs in Pharmaceutical Formulations.Analytical Letters,1988,21 (10),1984.

6. The Effect of Organic & Aqueous Extract of *Teucrium Polium* on Intestinal Motility. The First Palestinian Ecological Conference. Bethlehem University, West Bank, April 1987.
7. Proceeding of Drug Addition, Biological Chemical & Psychological effects on Human in the West Bank, July 1987, An-Najah National University.
8. Organic & aqueous Extracts of *Salvia Fruticosa* & *Teucrium Polium* & the effect on intestinal motility. Proc. 1st Int. Congress on Natural Products Dec. 1987. Bangkok Thailand.
9. Laboratory Diagnosis of Brucellosis using the slide & Tube Agglutination Methods, An-Najah J. Res. Vol II, 7, 23-27, 1992.
10. Reversed-Phase-HPLC of Synthetic Nitro Derivatives with Antimicrobial Activity, The First Palestinian Chemical Conference, 29th-30th July 1992, An-Najah National University.
11. The effect of organic & aqueous extracts of *Salvia Fruticosa* on intestinal Motility. An-Najah J. Res, Vol, II, 7, 45, 1992.
12. Hemoglobinopathies in the Northern Part of the West Bank. The 28th Scientific Week, Damascus, Nov. 1988.
13. Qualitative Analysis of Metronidazole in Pharmaceutical Dosage Form by Reverse-Phase High Performance Liquid Chromatography (RP-HPLC), The First Palestinian Chemical Conference, An-Najah National University, 29th-30th July 1992,
14. Microbiological Screening of the Environments of two Hospitals in Nablus. An-Najah J. Res., Vol III, 9 (1995), 100.
15. Metabolic Studies on Desferale analysis in Biological fluids & their Determination by RP-HPLC, The Second Palestinian Chemical Conference, College of Science & Technology, AlQuds University, 23rd-24th May 1995, Jerusalem.
16. Prevalence of Cholesterol Levels in the North of Palestine, Second Scientific Day, Faculty of Science Poster I., June 1996, An-Najah National University-Nablus/Palestine.
17. The effect of Organic & aqueous extracts of *Ruscus Aculeatus* on *E. Choli* & Intestinal/Motility, Second Scientific Day, Faculty of Science Poster II, June 1996, An-Najah N. University Nablus
18. Prevalence of HBsAg among An-Najah National University Students, Second Scientific Day, Faculty of Science Poster III, June 1996. An-Najah N. University Nablus.
19. The Biological & Chemical effects of Opium Drugs & their mode of Action, The Second Scientific Conference on Addiction, 23rd June 1996. An-Najah National

University, Nablus, Palestine.

20. Prevalence of Nosocomial Infection in Hospitals in North of Palestine, 6th Sep. 1996, The First Scientific Conference on Establishing Unique Health System in Palestine, Organised by Palestinian Public Health Association, Ramallah-Palestine.
21. Role of Plants in Anti-Tumor Drugs Discovery & Development, The First Palestinian Conference on Cancer between Prevention & Treatment Proceedings PP.262-287, 1996, Organised by C.P.F.C, An-Najah N. University, Nablus, Palestine.
22. Myocardial Infarction In Nablus District, Prevalence study, The First Palestinian Conference of Medical Technology Proceedings PP76, 1-2 August 1997 Bir-Zeit University-Palestine.
23. The Biological effect of Aqueous and Organic Extracts from the leaves of *Ruscus Aculatus*, Ibid, PP81, 1-2 August 1997, Bir-Zeit- Palestine.
24. Spectrophotometric determination of enzymatically generated hydrogen peroxide using Sol-Gel immobilized horseradish peroxidase, *Talanta*, 44, 2051-2058, 1997.
25. Antispasmodic Activity of *Rosmarinus SP* Extracts, The 3rd Palestinian Pharmaceutical conference, p22, Bir-Zeit University, Palestine August 5-7, 1998.
26. Isolation, purification and characterization of the active ingredient of *R. officinalis*, the 4th pan-Arab conference on Medicinal plants and Herbal medicine in Arab countries, Republic of Yemen, Tamar University, May 15-17th, 1999, Yemen.
27. Electrochemical study on the determination of Tinidazole in Tablets, *Journal of pharmaceutical and Biomedical Analysis*, 21, 881-886, 1999.
28. Extractional Spectrophotometric Determination of Fenbendazole and Ornidazole in pharmaceutical Formulation, *Scientia Pharmaceutica Journal*, 66, 109-122, 2000.
29. Biological and chemical reaction of α -substituted nitro compounds, Part 7, *Journal of Chemical Society*, 2001, pp. 1557-1665.
30. The Antispasmodic Activity of *Rosmarinus Officinalis* and *Ruscus Aculatus*, *Bethlehem University Journal*, Vol 21 (2002).
31. Type 1 Diabetes Mellitus in Northern Palestinian, The 4th Palestinian Conference in Medical Technology, 2005
32. Antibacterial Activity of {Khellin} in Different Crude Extracts From, The First Palestinian Medical and Health Conference, August 2005
33. The Breast Cancer Status In The Northern Part Of West Bank, The First Palestinian Medical and Health Conference, August 2005

34. Factors Affecting the Occurrence of Type II DM In Nablus City, The First Palestinian Medical and Health Conference, August 2005
35. Nutritional status among An-Najah University Students,Conference (Maintaining Nutrition In Emergency Condition) Organized by Maram International, Jordan University and MOH/Palestine,2006
36. The Antibacterial Activity of Aqueous Extraction of Zingiber Officinale, 2008
37. The impact of Israeli Industrial Zone on Environmental and Human Health in Tulkarm City ,Proceedings, 2nd International Conference on the Palestinian Environment,An-Najah National University-Nablus- Palestine,P196,2009
38. Knowledge and practices of pesticide use among farm workers in the West Bank, Palestine: safety implications, Environmental Health and Preventive Medicine, 2010
39. Urinary Tract Infection (UTI) among young school girls in Nablus District, Conference,2010
40. The Antibacterial activity of Aqueous Extraction of Petroselinum crispum(Parsley) and Rhus glabra (Smooth sumac), The 6th Palmta Conference,2010
41. The Role of Scientific Research Centers in Support of Innovation and Research in Palestinian Industry, The Scientific Research Innovation and Sustainable Development in Palestine (Workshop), 2010, Ministry of Higher Educations, Ministry of Economy and PLAST –Ramallah ,Palestine
42. Isolation and characterization of the Active Ingredient of Selected Palestinian Medicinal Plant. The Fifth Palestinian International Chemistry Conference , An-najah national University, June 2011.
43. The relationship between leptin hormone and body compartment among physical education student at An- Najah University.

The second scientific international conference on physical education, An-Najah University 2012.
44. The Biological Effects Of Extract from Selected Medicinal Palestinian plants. The 7th Palestinian Conference of Laboratory Medicine. March. 2012.
45. Assessing the Scientific Research Productivity of the Palestinian Higher Education Institutions : A case Study at An-Najah National University , Palestine. SAGE Open July – September 2014 : 1-11.
46. The Curative and Economic Impacts of Palestine Medicinal Plants. Food Security “Prospects and Challenges” Conference(FSPC – 2014).

47. Research Output from Palestine (1995–2012): A Bibliometric Study, *The International Information & Library Review* 12/2014; 46(3-4):1-14.
48. The Arab world's contribution to solid waste literature: a bibliometric analysis, *Journal of Occupational Medicine and Toxicology* (Impact Factor: 1.62). 10/2015; 10:35.
49. Global methaemoglobinaemia research output (1940–2013): a bibliometric analysis, *SpringerPlus* 10/2015; 4(1):626. DOI: 10.1186/s40064-015-1431-7.

Referees

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