

CURRICULUM VITAE

Name: Ass.Prof. Sundus Hameed Ahmed

Address: Mustansria University College of science / Iraq / Baghdad

E-mail: drsundushameedahmed@uomustansiriyah.edu.iq

Nationality: Iraqi

Address : Al-Mustansria University/ Iraq / Baghdad

Education:

1- Post Doctorate from (UFMS) federal university of santa maria Biochemistry and Toxicology /Brazil(2008) on TWAS programme.

2- PhD college of science /Baghdad

university/biotechnology (1995)

3- MSc college of science /Baghdad university /molecular biology (1986)

4- BSc.college of science /Baghdad university /microbiology (1984)

Working, Teaching, and Research Experiences:

2016- till now :Ass. Prof. Dr. Sundus Hameed Ahmed: college of science < Mustansiriyah University > Biology Department

2011 - 2016 Ahead of researcher/ Ministry of Science and Technology

2009- 2011 Directorat of Food Technology center/ Agriculturar Institute Ministry of science and technology

2003- 2009 Directorat of radiobiology center/ ministry of science and technology Professor-Research, Ministry of science and technology ,HAZ MAT ,Radiobiology center.

1999-2003 Professor-Research, Industrial Ministry , research and production human and veterinary drugs ,center Iraq.

1993,-1995 Assistant Professor, Department of Biology , Industrial ministry ,Iraq

1993 -1995 Scientific researcher , Department of Cytogenetics , Puplic of health ministry ,Iraq.

1984-1984 Teacher ,Biological department .Baghdad university ,Iraq .

Teaching:

Various Ph.D. courses in Baghdad University and Al Mustanseria University , Biochemistry Science :
protein chemistry , enzymology , Molecular Biology,

Medical plants and natural drugs, therapeutic functional food

, Protein Formulation, Protein Chemistry, Microbial Metabolites). Medical Biotechnology . Baghdad
University, Instructor of Natural Products Analysis and Identification and plant material constitution
,Baghdad University.Iraq.

Medical Microbiology, Molecular biolog, Biochemistry ,and natural drugs courses

-
- Project for Msc , PhD Student and other research ;
- -Molecular Biology study of halophilic bacteria I solated from salty soil (MSc., 2000).
- -Medical important study of lectin s purified from local Iraqi seeds (PhD., 2000 1)
- -Production and characterization of naringinase (PhD., 2002)
- -Production of citric acid by fermentation (M.Sc., 2003)
- - Isolation and Purification Albumin from Humen placenta (MSc., 2004).
- -Purification and characterization of A proteolytic enzyme secreted by Proteus mirabilis
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- Identification of natural compounds with antiviral activities against Rubella virus .(MSc., 2005).
- Biomarkers of dietary intake of micronutrients modulate DNA adduct levels in healthyadults(2005).
- Urinary Excretion of Isoflavonoids and the Risk of Breast Câncer(2006)
- Anti-mutagenic activity of Grape fruit in vitro as well as in vivo(2006)
- Antibacterial, anti-inflammatory, anti-cholinesterase and mutagenic effects of extracts obtained from
some local Iraqi plants(2006) .
- Study the TBARS activity in Iraqi plants extracts (2007)

Awards and Prizes:

- Four patents :

Preparation the human drug(mucid powder) for constipation and colon irritation treatment from local medical herb Ppsyllium (2000).

- Preparation the veterinary drug(Bulkivet powder) for constipation and colon irritation treatment from local medical herb Ppsyllium (2000).

- Preparation the veterinary drug (Silqouvet powder) as expectorant,diuretic , anti parasites from local plants and herbs (2000)

- Preparation the veterinary drug (Glycer powder 40%) for treatment stomach ulcer in hens from local plants (2002).

- Awarded Medal for the scientist women at the day of women in Iraq (2002).

- Awarded Medal for the scientist in Iraq at the day of science at (1999).

- center / public health Ministry .

- (1984-1991) Teaching in educated women college / Higher education ministry Iraq/ Baghdad .

- Editorial Activitiesa

- 2001-2005 Iraqi Journal of Pharmaceutical Research, as reviewer

- 1999-2007 Adjunct editor in the medical Science journal .

- 1999-2004 Biomedical, as a reviewer

- 2007- 2008 Adjunct editor in Modern applied science

- Research Training:

- ISEP 2010 work shop

- Biosafety and hygiene of food material (2001) Agricultural. Biotechnology Research Institute, India .

- Management and Business Plan (2004) Al- Mustansria University..

- Genetically Modified Organisms (GMO), Biosafety and Risk assessment, (2001) International Center for Genetic Engineering and Biotechnology, ICGEB, Trieste, Italy .

- Radiation Safety course (1994), University of Saskatchewan.

- Languages:

- Skills:
- Arabic :Native
- English : fluent
- Portuguese : fluent
- Computer:
- Word ,Excell, Powerpoint, and some other specialized softwares like Pallas (used in medicinal chemistry), statistics programs such as SPSS, database programs like end note and reference manager, familiar with many softwares such as Adobe Acrobat, animation and photo handling programs.
- Technical:
- I have considerable experience working with various analytical, chromatographic and spectroscopic instruments such as capillary electrophoresis, circular dichroism, HPLC. My past projects also dealt with extensive work on fungal samples, biotransformation and plant and animal tissue culture. I have conducted immunological tests, worked with animals, electron microscope, plant tissue and fungal cell fixing and sectioning. I have extensive experience in plant extraction, and in isolation and identification of their secondary metabolites. I also have worked with fermentation reactors. In addition, I have experience on protein and DNA analysis with capillary electrophoresis (CE). HPLC of radioisotope labeled peptides. I have worked on liposomal formulations analysis of drugs including proteins, such as insulin and interferon. Determination and tracing of secondary structure in peptides such as recombinant human insulin has been among my experience.
- Conferences:
- 5th Biotechnology Conference, Aug 15-17, 2005, Alnahren university , Iraq .
- 1nd National Biosafety Congress of Iran, Feb. 16-17, 2005,.
- IAUCAR student leadership conference, Nov. 98, Moscow, Idaho, US.
- Phytochemistry of Plants Used in Traditional Medicine, International Symposium of Phytochemical Society of Europe. Sept.-Oct. 2004, Lausanne, Switzerland.
- Annual Meeting of Japanese Pharmaceutical Society. March-April. 1996, Kanazawa, Japan
- Annual Meeting of Pharmacognosy Society of Hokkaido. June 2001. Sapporo, India

ConferenceS of agricultular ministry, 2005, 2006, 2007, 2008, 2009, 2010, 2011

Conferences of protection consumer and market for the years, 2006, 2006, 2007, 2008, 2009, 2010, 2011

- Herbs and genetic bank in Iraq symposium, 29- 31/3/ 2011

- Food safety conference ICTP, 2009.

Third conference of Wasit university , Iraq / Baghdad, 2009

Erbil 4th international conference, 2011, Erbil University/ Iraq

.Symposium on Nanobody and its applications for diagnosis and treatment of diseases

.Mar.2011,College of

Veterinary/Baghdad University,Iraq.

- Symposium on women and development information technology 2011, Ministry of Science and technology.

Symposium on women and development of chemical , physical& material science 2011, Ministry of Science and technology , Iraq.

Symposium on women and development of chemical , physical& material science 2011, Ministry of Science and technology Iraq .

Symposium on women and development of Agricultural research 2011, Ministry of Science and technology Iraq, .

Symposium on women and development of chemical , physical& material science 2012 Ministry of Science and technology , .

Symposium on women and development of chemical , physical& material science, 2013, Ministry of Science and technology .

Symposium on women and development of chemical , physical& material science, 2013, Ministry of Science and technology .

Symposium on women and development of chemical , physical& material science, 2014 Ministry of Science and technology .

Symposium on women and development of ecology and water technology, 2015, Ministry of Science and technology Symposium on nanotechnology.

Aboard editor in Modern applied Science,

Reviewer in four international journals

Publications:

Cytotoxicity and antitumor activity of *Nigella sativa* Seed International Journal for Sciences & Technology Vol (5) No.2 June 2010 51

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Al-Khwarizmi Engineering Journal, Vol. 5, No. 1, PP 1-19 (2009) 5 (1), 1-19

Evaluation of anti-inflammatory effect by using iron nanoparticles prepared by Juglans regia water extract Hanen Abdulalsalam¹, Naksheen M. Ardalan¹ and Sundus H. Ahmed²

Current Research in Microbiology and Biotechnology 5 (No. 4),2017, 1151-1156

Synthesis of novel Iron Nanoparticles using the aqueous extract of the Pumpkin plant, and used it in the treatment of burns

SH Ahmed Egyptian Journal of Chemistry 2022, 65 (3), 353-362

Evaluation, Antioxidant, Antimitotic and Anticancer Activity of Iron Nanoparticles Prepared by Using Water Extract of Vitis vinifera L. Leaves

SHA Rajwa Hasen Essa^{1*}, Mohammad Mahmood²

Journal of Advanced Laboratory Research in Biology 2017,8 (3), 67-73

Antimicrobial, cytotoxic and antioxidant activities of Barringtonia acutangula (L) MO Faruk, R Sardar, ST Haque, ME Haque Bioresearch Communications-(BRC)2016, 2 (1), 205-209

Determination of total phenol, antioxidant and antimicrobial activities of *Avena sativa* and *Ocimum basilicum*

FD Salim, SH Ahmed, AM Abd, SZ Skben, NAZ Ramadhan

Baghdad Science Journal 2014, 11 (2), 1062-1066

Green medicine: A novel preparation method for green synthesizing of iron nanoparticles derived from *beta vulgaris* extract

RA Alameri Archives of Razi Institute 2021, 76 (5), 1327

Evaluation of a New Green Zirconium Nanoparticle from Lemon and Peel Extract Antioxidant and Anticancer Activity RH Salih, SH Ahmed, RS Hameed, IHT Al-Karkhi Medico Legal Update 2021, 21 (2), 977-981

DEVELOPING SOFT CHEESE INDUSTRY SUPPORTED WITH
MEDICINAL HERBS AS FUNCTIONAL FOOD: DEVELOPING SOFT
CHEESE INDUSTRY SUPPORTED WITH MEDICINAL HERBS AS
FUNCTIONAL FOOD HMS Al-Hamdani, SH Ahmed, S Khudadat

Iraqi Journal of Market Research and Consumer Protection 2021 13 (1), 1-13

Studying the Antibacterial and Insecticidal Properties of Rosemary Extract by Iron Nanoparticles Prepared by Using Ultrasound SH Ahmed, RS Hameed, AM Yousif, ZH Jazar outh Asian Res J App Med Sci 2023, 5 (2), 19-25

Bioactivity of Fortified Honey with lycopene extracted from tomatoes *Solanum lycopersicum* SH Ahmed
Research Journal of Pharmacy and Technology 2021, 14 (10), 5115-5120

Alcoholic Extract of Shilajit as Anti Protein Denaturation, Anti Blood Hemolysis, and Anti Microbial. S Hadi, SH Ahmed, N Talib, HA Hussein, IHT Al-Karkhi Indian Journal of Forensic Medicine & Toxicology 2020, 14 (1)

Synthesis characterization of new nanoparticles derived from iron oxide and *Beta vulgaris* extracts and its bioactivity against *Pantoea* spp.

MK Mohammad, SH Ahmed, RS Hameed, IHT Al-Kharkhi

Indian Journal of Forensic Medicine & Toxicology 2013 (4)

Evaluation of antioxidant and anti-mutagenic activity of naturally fortified honey with *Curcuma longa* extract SH Ahmed* International Journal of Medical Research & Health Sciences 2018, 7 (5), 136-142

Evaluation of Anti Oxidant and Anti inflammatory Activity of Banana Peels

SSATS Hameed2 Advances in Life Science and Technology 2016, 46, 10-15

Allium Cepa and Beta Vulgaris Extracts and Their Synergistic Activity with Antifungal against Candida Albicans SH Ahmed South Asian Res J Pharm Sci 5 2023, (3), 53-59

Bioactivity against Staphylococcus aureus of new nanoparticles derived from iron oxide and Beta vulgaris extracts and synthesis characterization

MK Mohammad, SH Ahmed, RF Abbas Research Journal of Pharmacy and Technology 2022, 15 (7), 3169-3172



السيرة الذاتية

رئيس مؤسسة الرؤى للتعليم والتنمية المستدامة/ منظمة مجتمع مدني

الدكتورة سندس حميد أحمد مصطفى الدوري

مدير فرع الفطريات وعلوم النبات /كلية العلوم/ الجامعة المستنصرية من -2020

حاصلة على شهادة

TOT في التنمية البشرية

حاصلة على شهادة مابعد الدكتوراة من جامعة سانتا ماريا / البرازيل في عام

2008

دكتوراه من جامعة بغداد/ تقانات احيائية 1998

ماجستير جامعة بغداد / هندسة وراثية عام 1989

تنصبت في العديد من المناصب الادارية

مدير قسم الوراثة الخلوية / مختبرات الصحة العامة المركزي / وزارة

الصحة

مدير مركز السيطرة النوعية والبايولوجية وزارة الصناعة

مدير قسم / الجندر وزارة العلوم والتكنولوجيا

- Research Training:
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