

السيرة الذاتية للأستاذ المساعد الدكتور حسين كريم سليمان الوندأوى

الأختصاص

دكتوراه – كيمياء حياتية- وكيمياء اشعائية -الملكة المتحدة مع شهادة تأهيل في الطب الأشعاعي من الجمعية الطبية الأمريكية

الخبرة حسب التسلسل الزمني

1. رئيس باحثين : منظمة الطاقة الذرية العراقية

2.خبير درجة اولى : منظمة الطاقة الذرية العراقية

3. رئيس مركز معالجة المواد الخطرة

4. رئيس قسم الطبابة المتخصصة- منظمة الطاقة الذرية

5. ممثل منظمة الطاقة الذرية في عدد من اللجان التنسيقية مع الوزارات الأخرى والجهات الخارجية بحكم التخصص

6. تحضير أدوية ومواد صناعية وتقديم دراسات لجهات حكومية

7. المشاركة بألقاء بحوث في مؤتمرات عالمية وعربية

8.أستاذ مساعد – كيمياء حياتية – الجامعة المستنصرية

9. أستاذ مساعد: كيمياء حياتية وكيمياء سريرية – كلية المستقبل الجامعة

10 .أستاذ مساعد: كيمياء حياتية وكيمياء سريرية وكيمياء طبية - كلية اليرموك الجامعة

التكريمات اثناء العمل في التعليم الأهلي

درع التميز :كلية المستقبل الجامعة

درع التميز : كلية اليرموك الجامعة

كتب شكر وتقدير وتثمين جهود من جهات عديدة

البحوث المنشورة والنشاطات ذات العلاقة

مقوم علمي لعدد من المجلات العلمية العالمية

نشر حالي 40 بحث ودراسة في محالات الطب والصيدلة منشورة في مجلات علمية عالمية بلأضافة الى

ودراسات محدودة التداول

السيرة الذاتية باللغة الأنكليزية

CURICULUM VITA OF Assistant Prof. Dr. HUSSAIN Al - Wandawi: Updated September, 2021

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Education:

PhD . Biochemistry, University of Wales; UK- 1977

Previous Experience:

1. Chief Scientific researcher & First – Rate Expert – Iraqi Atomic Energy Commission : 1977 – 2003;
2. Director, Hazardous Materials Safety Centre – 2003 - 2007.
3. Assistant professor, Biochemist , College of Science - Al -Mustansiriyah University – Baghdad, 2007 – 2013.
4. Assistant professor , biochemist & clinical chemist , AL-Mustaqbal University College – Babylon , 2013 – 2017.
5. Assist. Prof. of biochemist , clinical biochemist, Departments of Pharmacy , and medical chemistry & biochemistry - Department of dentistry- AL – Yarmouck University College, Baghdad- 20017 - 2021.
6. Reviewer for a number of international scientific journals.
7. 7. Head of Good lab practice (GLP) & self- assessment committees.

Memberships

1. Fellow IAEA, Vienna – Austria – 1971 -1972.
2. Member of Iraqi chemical society
3. Fellow of REAC / TC Oak Ridge National Laboratory, USA - 1987
4. High rank science visitor / Brookhaven National Laboratory, USA - 1987.
5. Weston Solutions , INC ,Chester – Philadelphia , USA- 2005
6. Member of Iraqi Chemical Society since 1977
7. Supervisor of a number of thesis -1987 – 2012
8. Teaching and research : Biochemistry, clinical biochemistry, medical biochemistry, radiation emergency and management, Environmental Chemical pollution pollutant... etc.

Knowledge of Languages: English, German , Arabic .

قائمة ببحوث منشورة معظمها في مجلات عالمية

List Publications:[1976 – 2020]

1. ***Effect of Gasoline Exposure on Lipid Profile of Smokers and Nonsmoker Workers at Gasoline Refueling Service Stations. Occup Med & Health Aff. 2020. Vol.8.Issue 3.1000309. ISSN 2329 -6879.***
2. ***CAN LIPID PROFILE BE USED AS BIOMARKERS OF CARDIOVASCULAR RISK IN MALE CHILDREN UNDER AGE 11 YEARS ,AS IT DOES FOR MIDDLE AGE AND ELDERLY? World Journal of Advance Healthcare Research.2020; Volume 4, Issue 5.2020***
3. ***IS TOBACCO SMOKING AN IDEPENDANT RISK FACTOR THAT AFFECTS BLOOD PRESSURE. World Journal of Pharmacy AND PHARMACEUTICAL SCIENCES . 2020. Volume 9; Issue 9: 2317 – 2328***
4. ***VISUAL AND HISTOPATHOLOGICAL CHANGES OF RAT LUNGS FOLLOWING INHALATION OF A LETHAL DOSE OF PHOSGENE. EUROPIAN JOURNAL OF BIOMEDICAL AND PHARMACEUTICAL SCIENCES. 2020. ISSN 2349 – 8870; Volume 7; Issue ,10 : 22 - 25 .***
5. ***Pre – ripening Irradiation on Tomato Quality at Market Ripeness. Journal of Food Science and Quality Management. 2016. Vol. 48: 116 - 125***

6. *Kinetic Studies on Carotenoid Biosynthesis in Micrococcus luteus using Diphenylamine and Nicotine Solely and Simultaneously. International Journal of advanced scientific and technical research. Issue 5, Vol.1 , January – February 2015, ISSN2249 – 9954 .*
7. *A novel System for Bio – incorporation of [1 -¹⁴ C] Isopentenyl pyrophosphate into C4o chain Carotenoids Using A Crude Cell Lysate of Micrococcus luteus .Canadian Journal of Pure and Applied Sciences, Vol . No. 2, 2015.*
8. *Organic Acids Composition of Different Parts of the Medicinal Plant Roselle (Hibiscus sabdariffa) .International Journal of Biological and Pharmaceutical Research .2015;6 (10): 808 – 813 .e ISSN 0976 – 3651, Print ISSN 2229 - 7480*
9. *Structural studies on Carotenoids from Nicotine – Inhibited Culture of Micrococcus luteus. JCBPS, Section A, Vol. 5 , No.4; 3849 – 3859, 2015 .*
10. *Carotenoids Biosynthesis in Micrococcus luteus Grown in the Presence of Different Concentrations of Nicotine. Int. J. Pure Appl. Sci. Technol., 24 (1)2014 .*
11. *Dose Assessment for a group of Workers Occupationally Contaminated with Iodine – .IJOT(Iraqi Journal of Science & Technology) 2005,Vol.2 (2) : 86 -92 .*
12. *Enhancement of anti -radiation potential of some aminothiols by β - carotene . Annals of Nutrition & Metabolism (Switzerland),2003 , 176 – 180 .*
13. . *Effect of carotenoid levels in Micrococcus luteus on resistance to gamma radiation . J . DIRASAT, Jordan ,2000, Vol. B. No. 2 .*
14. *Ajbanto as annatto substitute for coloring processed cheese. J . Diyala University,2000 (8) ; 124 – 135.*
15. *Albanto as annatto substitute for coloring butter and margarine. Ibid, 142 -157 .*
16. *Compilation and analysis of the medical data for a group of workers at IAEC susceptible to occupational diseases and radiological accidents. FAC .Med.(Baghdad), 1993, Vol. 35 (5) : 263-*
17. *Tomato processing wastes as essential raw material source . Agric J. Food Chem. J. Agric. Food Chem. (USA)1985, Vol. 33,804 – 807 .*

18. *Effect of feeding on roselle (Hibiscus sabdariffa L)seeds on mice and rats. J .Nutr Report Int. (UK) 1983 , Vol.28,(5) : 1189 – 1196 .*
19. *Chemical composition of seeds of two okra cultivars. J . Agric. Food Chem.(USA)1983,Vol.31 , 1355 – 1358.*
20. *Roselle seeds: A new protein source. Agric, Food Chem. (USA) A1983, Vol.32 , 510 – 512.*
21. *Effect of gamma irradiation and storage conditions on amino acid composition of some Iraqi dates .J. Food Chem.(USA)1980,Vol.28,516 -518 .*
22. *Protein and amino acid composition of three varieties of Iraqi dates at different stages of development .J . Agric. Food Chem. (USA)1976,Vol.4(2) : 365 – 367*

18. *Structural studies on Carotenoids from Nicotine – Inhibited Culture of Micrococcus luteus. JCBPS, Section A, Vol. 5 , No.4; 3849 – 3859, 2015 .*

19. *Effect of Gasoline Exposure on Lipid Profile of Smokers and Nonsmoker Workers at Gasoline Refueling Service Stations. Occup Med & Health Affairs . 2020. Vol.8.Issue 3.1000309.ISSN 2329 -6879.*

20. **CAN LIPID PROFILE BE USED AS BIOMARKERS OF CARDIOVASCULAR RISK IN MALE CHILDREN UNDER AGE 11 YEARS ,AS IT DOES FOR MIDDLE AGE AND ELDERLY? World Journal of Advance Healthcare Research.2020; Volume 4, Issue 5.2020**

21. **IS TOBACCO SMOKING AN INDEPENDANT RISK FACTOR THAT AFFECTS BLOOD PRESSURE. World Journal of Pharmacy AND PHARMACEUTICAL SCIENCES . S2020. Volume 9; Issue 9: 2317 – 2328**

22. **VISUAL AND HISTOPATHOLOGICAL CHANGES OF RAT LUNGS FOLLOWING INHALATION OF A LETHAL DOSE OF PHOSGENE. EUROPIAN JOURNAL OF BIOMEDICAL AND PHARMACEUTICAL SCIENCES. 2020. ISSN 2349 – 8870; Volume 7; Issue ,10 : 22 – 25**

Scientific Articles (in Arabic) published in the Official Bulletin of Arab Atomic Authority (Atom & Development , publication of Arab Atomic Energy Commission ; AAEC)- Tunisia Center :

1. *Measures to be taken in cases of nuclear accidents* , 1996 ,Vol.(1): 34 -37 .
- 2.. *How to handle radioactive internal contamination* , 1996, Vol. (3) :33 – 37 .
- 3 .*Use of sodium iodide tablets to to protect thyroid gland from the harm effects of radio - iodine .* 1996S, Vol.9 (2) : 35 – 4
4. *Chemical and biological effects induced in irradiated foods .* 1997, Vol. 9 (3) : 22 – 26 .
5. *The role of neutrons in the early atomic era.* Vol. 9 (4) : 17 -20 .
6. *Implementation of neutron capture therapy (NCT) for treatment of brain cancer and other types of cancer* , 1997,Vol 9 (4) : 21 – 23 .
7. *The advantage of breast feeding in an environment with high radioactivity .*1998,Vol.(1) : 12 -14 .
8. *Synchronic radiation : sources , properties and basic applications* ,1998, Vol. 10 (1) : 23 - 25 .
9. *Internal contamination through wounds.*1999,Vol.11 (1): 12 -14.*Radon and its effects on man and environment.*1999, Vol. 11(3) : 10 – 13 .
- 10.*The parameters controlling the levels of foods sand feeds contamination with radioactive materials.*1999, Vol. 11 (4) : 29 -32 .
11. *Methods for decontamination of foods and water contaminated with radioactive materials .*1999,Vol.12(4) : 33 -37 .

Scientific articles (in Arabic) published in Bulletin of World of Polymer (published by polymer unit, College of Science, Al-Mustansiriyah University) :

- 1 . *Famous polymer scientists : Alan Heeger .*2008,No.11: 16 – 19 .
2. *Femtospecroscopy , Ahmad Zewell and Nobel prize.*2008,No,11: 20 -23 .
3. *New technology in plastic production,uses,recycling.*2008,(11) : 24 -35

4. *Improving the status of the production ,uses, and recycling of plastics.2008,(11) : 50 -53*
5. *Coating with fluorinated polyurethane and its applications in polymers .2008 (11) : 57 – 63 .*
6. *Fiber reinforced plastics and their applications.2008,(11) :64 – 66 .*
7. *Plastic recycling, its technical difficulties and environmental requirement.2008(11) : 67 – 71 .*
8. *Production of plastics from renewable sources .2008 (11) : 72 -78 .*
9. *The of polymers for treatment of radioactive and toxic wastes, Vol.10 : 14 – 24 .*
10. *The combined effect of polyethylene and anti – microbial agents to control corrosion of metals and concrete in sewage treatment facilities, Vol. 10 : 36 -54 .*
11. *The use of polymer coating to preserve biological specimens and architectural damage in Al-Aamiria civil Shelter, 2002.*

Classified reports prepared for Iraqi Atomic Energy during [1978 – 2003]:

1. Psychological , mental and physical fitness requirements for workers in nuclear facilities.1986 .
2. Technical requirements for establishing special medical unit at nuclear facilies.**1987.**
3. Medical handling of exposure to fluorine .1987.
4. Medical handling of exposure to ammonia gas .
5. Medical handling of exposure to chlorine, 1987.
6. Medical handling of exposure to phosgene gas, 1987.
7. Special medical kits for treatment of internal contamination with radioactive material , 1987 .
8. Special medical kits for treatment of chemical and radiation burns .1988.

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