

CURRICULUM VITAE

Dr. Khaled Salem Al-Salhen
Professor in Biochemistry

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Academic Degrees:

July, 1993: B.Sc. Chemistry, Department of Chemistry, Faculty of Science, Omar Al-Mukhtar University, El-beida, Libya.

May, 2003: M.Sc. (by course and research) in Biochemistry, Alexandria University, Egypt.

Thesis Title “A study on the protective role of isoflavones against the toxicity of pyrethriod (Cypermethrin) in mammals”.

September, 2012: Ph.D. in Biochemistry, Huddersfield University, UK.

Thesis Title “*Drosophila melanogaster* as a model for molybdo-flavoenzym protection against chemical and physical stress”.

Occupations:

- **1996-2003:** Demonstrator, Department of Chemistry, Faculty of Science, Omar Al-Mukhtar University, El-beida, Libya.
- **2004-2013:** Assistant lecturer of biochemistry, Department of Chemistry, Faculty of Science, Omar Al-Mukhtar University, El-beida, Libya.
- **2014-2018:** Assistant professor in biochemistry, Department of Chemistry, Faculty of Science, Omar Al-Mukhtar University, El-beida, Libya.
- **2019-2022:** Associated professor in biochemistry, Department of Biochemistry, Faculty of Medicine, Derna University, Libya.

- **2023:** Professor in biochemistry, Department of Biochemistry, Faculty of Medicine, Derna University, Libya.

International Conference Organization:

- Session chair of the international conference on biochemistry and molecular biology conference 12-13 March 2014, Dubai, UAE.
- Member in the first conference on chemical sciences and its applications 21-23 April 2014, El-beida, Libya.
- Member in the second Libyan conference on chemistry and its applications (LCCA-2), May 09-11, 2017 in Benghazi, Libya.

Membership:

- Member in the biochemical society.
- Member in the Libyan chemistry society.
- Member in the world academy of science, engineering and technology.
- Honorary member of Pelagia research library.
- Member in the science journal of Benghazi University.

Recent Publications:

- 1- Protective Effects of Isoflavone on Some Biochemical Parameters Affected by cypermethrin in male Rabbits. F. M. El Demerdash, M.I. Yousef, and K. S. Al Salhen
Journal of environmental science and health. Part B. Vol. b38, No. 3, pp. 365 – 378, 2003.
- 2- Changes in some hematological and biochemical indices of rabbits induced by isoflavones and Cypermethrin. M.I. Yousef, F. M. El Demerdash, K.I. Kamel and K.S. Al Salhen. **Journal of Toxicology**, Vol. 189, pp. 223-234, 2003.
- 3- Protective role of Isoflavones against the toxic effect of Cypermethrin on semen quality and testosterone levels of rabbits. **Journal of environmental science and health.** M.I. Yousef, F. M. El Demerdash, and K. S. Al Salhen. Vol. b38, No. 4, pp. 463 – 478, 2003.
- 4- *In vitro* oxidation of aldehyde oxidase from rabbit liver: Specificity towards endogenous substrates. **Journal of King Saud university science.** K.S. Al Salhen. Vol. 26, pp. 67-74, 2014.
- 5- Role of fish hepatic aldehyde oxidase in oxidative *in vitro* metabolism of phenanthridine heterocyclic aromatic compound. **Journal of world academy**

- of science, engineering and technology.** K. S. Al Salhen. Vol.8, No.3, pp. 15-20, 2014.
- 6- Assessment of oxidative stress, haematological. Kidney and liver function parameters of Libyan cement factory workers. **Journal of American science.** K.S Al Salhen. Vol. 10, No. 5, pp. 58-65, 2014.
 - 7- Effect of cigarette smoking on liver functions: a comparative study conducted among smokers and non-smokers male in El-beida City, Libya. **International Current Pharmaceutical Journal.** K.S. Al Salhen and R.D. Abdalsalem. Vol. 3, No. 7, pp. 291-295, 2014.
 - 8- Effect of cigarette smoking on hematological parameters in male smokers in Al-Bayda city, Libya. **Al-Mukhtar Journal of Sciences.** K.S. Al Salhen and R.D. Abdalsalem. Vol 29, No. 01, pp. 40-57, 2014.
 - 9- Effect of pesticides on activities of alanine aminotransferase and aspartate aminotransferase in blood among vegetables farmers. **Libyan Journal Of Basic Sciences (LJBS).** K.S. Al Salhen. Vol. 1, No. 1, pp. 44-48, December 2014.
 - 10- Kinetics and specificity of drosophila melanogaster molybdo-flavoenzymes towards their substrates. **International Journal of Bioengineering and Life Sciences.** K.S. Al Salhen. Vol. 2, No.3, 2015.
 - 11- Role of serum trace elements magnesium, copper and zinc, level in Libyan patients with bronchial asthma. **IOSR Journal of Biotechnology and Biochemistry.** K S. Al-salhen, Sayed A. M. Mahmoud, Salmah M.Omran, Safaa K. Mohammed. Vol. 1, No. 6, 2015.
 - 12- Chemoprotective role of molybdo-flavoenzymes against xenobiotic compounds. **Journal of the Association of Arab Universities for Basic and Applied Sciences.** K S. Al-salhen. Vol 22, pp. 31-37, 2017.
 - 13- Determinants of Abnormal Kidney Function Tests in Diabetes Patient Type 2 in Libya. **International Journal of Scientific Study.** K S. Al-salhen. | September 2016 | Vol 4 | Issue 6.
 - 14- Hematological Profile of Patients with Type 2 Diabetic Mellitus in El-Beida, Libya. **Ibnosina J. Med. BS.** K.S. Al Salhen and Ameerah Y Mahmoud. Vol 9, No. 03, pp. 76-80, 2017.
 - 15- The Effect of Storage Time and Different Anticoagulants on Fasting Blood Glucose Concentration. **Al-Mukhtar Journal of Sciences.** K.S. Al Salhen Eman K. Saad and Aml J. Aznine. Vol 33, No 2, pp. 100-106, 2018.

16. Effects of Organochlorine Pesticide Residues on Hematological Parameters in Libyan Agricultural Workers. **World Journal of Advance Healthcare Research**. Khaled S. Al Salhen, Maha Jamal, Omaro A. Aburas, Omalsaad E.I. Omar. Vol 3, No 6, pp. 12-19, 2019.
17. A Biochemical Study of α -Amylase Activity in Saliva of Some Libyan Cigarette Smokers. Khaled S. Al salhen, Omalsaad E. I. Omar, Latefa A. Aljradmi. **Al-Mukhtar Journal of Sciences**. Vol 35, No 3, pp. 195-204, 2020.
18. Thermodynamic Studies of α -Amylase Activity in Saliva of Some Libyan Cigarette Smokers. Khaled S. Al salhen, Latefa A. Aljradmi. **Libyan Journal of Basic Sciences (LJBS)**. Vol 17, No 2, pp. 108-119, 2022.
19. Adverse Effects of Organochlorine Pesticide Residues on Biochemical Parameters and Oxidative Stress in Libyan Agricultural Workers. Khaled S. Al salhen, Omalsaad E. I. Omar. **Al-Mukhtar Journal of Sciences**. Vol 37, No 3, pp. 226-250, 2022.
20. Biochemical Study on the Kinetic Properties of the Invertase Produced by *Saccharomyces Cerevisiae*. Khaled S. Al salhen, Mafath A. Alhorer and Hala M. Imraja. **Scientific Journal for the Faculty of Science-Sirte University**. Vol. 2, No, 2, pp. 1-11, 2022.

Supervisions:

M.Sc.

- 1- M.Sc. in biochemistry studies. Associations Between Lipid Profiles and Vitamin D Status in a Libyan Obesity. Submitted in partial fulfillment for the degree of M.Sc. in Chemistry (Biochemistry). Omar Al-Mukhtar University. (Awarded)
- 2- M.Sc. in biochemistry studies. Some Biochemical Markers In Type 2 Diabetic Mellitus Of Libyan Patients In El-Beida City. Omar Al-Mukhtar University. (Awarded)
- 3- M.Sc. in biochemistry studies. Effect of chronic pesticide exposure in farm worker of Libyan community. Omar Al-Mukhtar University. (Awarded)
- 4- M.Sc. in biochemistry studies. Biochemical studies of an amylase activity in Libyan Cigarette Smokers. Omar Al-Mukhtar University. (Awarded)

5- M.Sc. in biochemistry studies. Biochemical studies on the kinetic properties of isolated invertase enzyme from *Saccharomyces Cerevisiae* strains. Omar Al-Mukhtar University. (Awarded)

Editing Books:

- *Drosophila Melanogaster* as Models for Molybdo-Flavoenzymes, LAP LAMBERT Academic Publishing, Germany, ISBN: 978-659-19453-5, 2014.
- Practical Biochemistry - Omar Al-Mukhtar University Publications, 2022.

Activities:

- Head of Chemistry Department at the Faculty of Science from 2014-2016.
- Coordinator of Al-Mokhtar Center for Research and Consultancy from 2016-2017.
- Dean of the Faculty of Arts and Sciences from 2017-2021.
- Vice President of Academic Affairs University of Derna from 2022.
- President of the Libyan Academy for Graduate Studies- Derna Branch-2022.