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| Curriculum Vitae (C.V.) | | | | | | | | | | | |
| Name | *Falah Mohammad Aziz* | | | | | | | | | | |
| **E-mail** | [***falah.aziz@su.edu.krd***](mailto:falah.aziz@su.edu.krd) | | | | | | | | | | |
| **Tel. No. (Optional)** | **0662260270** | | | Mobile | | | **07504665531** | | | | |
| **Date of birth** | **2/3/1958** | | | Place of birth | | | ***Sulaimanya-Iraq*** | | | | |
| **Civil ID NO.** |  | | | | | | | | | | |
| **Nationality ID NO.** |  | | | | | | | | | | |
| Academic attainment | **Type of diploma** | | **University** | | | **College** | | **Department** | | |  |
| **BSc. 1979** | | **Suliamanya** | | | **Science** | | **Biology** | | |
| **M.Sc./1983** | | **Salahaddin** | | | **Science** | | **Biology** | | |
| **PhD 2007** | | **Salahaddin** | | | **Science** | | **Biology** | | |  |
| **General specialization** | | **Zoology** | | | | | | | | | |
| **Specific specialization** | | **Histology and cell biology** | | | | | | | | | |
| **Academic Title** | | **Professor** | | | | | | | | | |
| Qualifications and Skills | | | | | | | | | | | |
| **Language** | | | | | | | | | | | |
| **Name of language** | | | | | **Good** | | | | **Fair** | | |
| ***English*** | | | | | **\*** | | | |  | | |
| ***Arabic*** | | | | | **\*** | | | |  | | |
| ***Kurdish*** | | | | | **\*** | | | |  | | |
| Scientific and Academic committees partaken | | | | | | | | | | | |
| ***Kurdistan Biology Syndicate /Hawler*** | | | | | | | | | | | |
| ***MSc. Thesis title: CELLULAR ,HISTOLOGICAL AND HISTOCHEMICAL STRUCTURE OF THE LIVER OF THE Iraqi freshwater fish, Leuciscus cephalus orientalis*** PhD. Thesis title: **Protective role of low doses of Sweet basil extract against the toxicity of uranyl acetate and/or methomyl in male albino rats** | | | | | | | | | | | |
| Books | | | | | | | | | | | |
| ***العملي في تشريح النبات والتحضيرات المجهرية*** | | | | | | | | | | 1990 | |

**Published papers**

1. Histochemical distribution of certain hydrolytic enzymes in the liver of the Iraqi freshwater fish ***Leuciscus cephalus orientalis***,Zanco,Congress Pubs,1985
2. Melanomacrophages in the liver of toad,***Bufo viridis***,Zanco,congress pubs.1988
3. Histological and histochemical description of toad liver ,Zanco,1999
4. Some observations on the histology and ultrastructure of the liver of Varicorhinus truta ,J.Dhuk Univ.,4,2,185-189,2001
5. Histological and cytological study on the liver of the fish Buran Abiad,Leuciscus Lepidus,Zanco,12,1,5-14,2000
6. Comparative study on the melanomacrophages in the liver and spleen of three frog species,Zanco,16,No 1,2004
7. Ultrastructural and histochemical study of the liver of freshwater fish,***Leuciscus cephalus orientalis*** in Serchinar spring in two different period,Zanco,16,no 2,2004
8. Histopathological observation on the liver naturally infected by Fasciola gigantica in sheep of Erbil city-Iraq, *Rivista Di Parassitologia*(Itali), 11: 52: 28,2005
9. Neurotoxicity of methomyl(carbamate insecticide) in male albino rats,1st Biological conference of Dhuk Univ.2005
10. The effect of cypermethrin and/or cyhalothrin on the histological structure of the testis of albino rats,*J.Rafidian Sc*.(Mosul Univ) 21(1) 1-9,2010
11. Effects of Di-*n*-butyl Phthalate on the testis and sperm count of Adult Male

Albino Rats,

1. Omega3,an antioxidant of choice against the toxic effect of ifosfamide, Wales,UK 2010
2. The Effect of Sustanon (Testosterone Derivatives) Taken by Athletes on the Testis of rat, Jordan Journal of Biological Sciences 5(2)37-46, 2012
3. Effect of Storing Temperature on Hepatotoxicity and Nephrotoxicity of Ifosfamide in Female Rat, Online journal of biological sciences, 12(1), 21-26, 2012
4. The Protective effect of latex of *Ficus carica* L. against lead acetate-induced hepatotoxicity in rats , Jordan Journal of Biological Sciences , 5(3),2012
5. Synergistic Neurotoxic Effect of Di-n-butylphthalate on methomyl treated rats, Zanco, 24(2),

# THE PROTECTIVE EFFECT OF OMEGA-3 AGAINST THE TOXICITY OF IFOSFAMIDE IN MALE RAT TESTIS, 14th conference of anatomy, Ankara, Turkey, 28/6-1/7-2012

# HEPATOTOXICITY AND NEPHROTOXICITY OF SUSTANON (TESTOSTERONE DERIVATIVES) IN MALE RATS, 4th Biological Conf, Dhuk Univ,8-10may,2012

# Neurotoxicity of uranyl acetate in male rats, 1st international zakho univ conf, 23-25/4-2013

1. Anti-Urolithiatic and anti-inflamationeffect of Fenugreek in Ethylene Glycol-Induced Kidney Calculi in Rat, jjbs, 8,2,2015
2. The protective role of vitamin c against the hepatotoxic and nephrotoxic effect of meloxicam in male mice, IOSR, 10,5,2015
3. The Protective Effect of Omega-3 Oil Against the Hepatotoxicity of Cadmium Chloride in Adult and Weanling Rats, 6th scientific Salahaddin university conference, AIP Conference Proceedings 1888, 020027 (2017); doi: 10.1063/1.5004304
4. The Protective Effect of Omega-3 Oil Against Cadmium Chloride Induced Nephrotoxicity in Rat, Cihan University-Erbil scientific conference, 2017, **DOI:** http://dx.doi.org/10.24086/cuesj.si.2017.n2a15
5. Histological and ultrastructural study on the effect of celery juice on ethylene glycol induced urolithiasis in male rat, 6th scientific Salahaddin university conference, 2017
6. Histopathological Effects of Methomyl Pesticide and Mobile Phone Electromagnetic Radiation on Duodenum of Male Albino Rats”. *ZANCO Journal of Pure and Applied Sciences*, Vol. 29, no. 4, Aug. 2017, pp. 1-12, http://zancojournals.su.edu.krd/index.php/JPAS/article/view/761.
7. Hepatotoxicity and nephrotoxicity of lead nitrate in toad, *ZANCO Journal of Pure and Applied Sciences*, Vol. 30, no. 6, Dec. 2018, pp. 37-45, doi:10.21271/ZJPAS.30.6.3.
8. The protective effect of *Fumaria officinalis* against the testicular toxicity of fluoxetine in rat, *Zanco j.Med.Sci*., in press
9. **Nephrotoxicity of Nickel Nanoparticles in Rat: Effect of Different Doses,  International Conference Program March 21-23, 2018 Istanbul (Turkey) ,** <http://www.iicbe.org/listing.php?catDid=98&mode=page&pageid=153>
10. Hepatotoxicity of nickel nanoparticles in rats, *Indian J.Animal Res*., in press
11. Nickel nanoparticles induced-nephrotoxicity in rats, influence of particle size, *Pakistan veterinary journal*, accepted after revising
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13. The interaction of silica nanoparticles with catalase and human mesenchymal stem cells: Biophysical, Theoretical and Cellular studies, *International journal of nanomedicine*, in press
14. α-synuclein interaction with zero valent iron nanoparticles accelerates structural rearrangement into amyloid-susceptible structure with increased cytotoxic tendency, *International j of nanomedicine*, 2019,14:4637-4648
15. Radish juice Promotes kidney stone deposition in Ethylene glycol Induced Urolithiasis in Rats, CIC-BIOHS’19 April 30-May1,2019
16. Omega-3 Oil Ameliorates Histological And Ultrastructural Alterations Induced By Cadmium Chloride In Rats Testis, CIC-BIOHS’19 April 30-May1,2019
17. The effect of aluminum oxide on red blood cell integrity and hemoglobin structure at nanoscale, International journal of Biological macromolecules, 2019, (138):800-809
18. [Cerium oxide NPs mitigate the amyloid formation of α-synuclein and associated cytotoxicity](javascript:void(0))

international journal of nanomedicine 2019 (14), 6989-7000

1. [The Effects of Nickel Oxide Nanoparticles on Structural Changes, Heme Degradation, Aggregation of Hemoglobin and Expression of Apoptotic Genes in Lymphocyte Cells.](javascript:void(0)) Journal of Biomolecular Structure and Dynamics, 2019 (3), 1-15
2. [A review on the cleavage priming of the spike protein on coronavirus by angiotensin-converting enzyme-2 and furin](javascript:void(0)), Journal of Biomolecular Structure and Dynamics, 1-9
3. [Gold nanomaterials as key suppliers in biological and chemical sensing, catalysis, and medicine](javascript:void(0))

Biochimica et Biophysica Acta (BBA)-General Subjects 1864 (1), 129435

1. [Gold nanozyme: Biosensing and therapeutic activities](javascript:void(0)), Materials Science and Engineering: C 108, 110422
2. [Antioxidant properties of gold nanozyme: A review](javascript:void(0)), Journal of Molecular Liquids 297, 112004
3. [Strategies of enzyme immobilization on nanomatrix supports and their intracellular delivery](javascript:void(0)),

Journal of Biomolecular Structure and Dynamics 2019 (DOI: 10.1080/07391102 …

1. [Plasmonic and chiroplasmonic nanobiosensors based on gold nanoparticles](javascript:void(0)), Talanta 212, 120782
2. [Enzyme immobilization onto the nanomaterials: Application in enzyme stability and prodrug-activated cancer therapy](javascript:void(0)), International Journal of Biological Macromolecules 143, 665–676
3. [Combined chemo-magnetic field-photothermal breast cancer therapy based on porous magnetite nanospheres](javascript:void(0)), Scientific Reports 10 (1), 1-15
4. [Vitamin K1 As A Potential Molecule For Reducing Single-Walled Carbon Nanotubes-Stimulated α-Synuclein Structural Changes And Cytotoxicity](javascript:void(0)), International journal of nanomedicine 14, 8433
5. [Silymarin-albumin nanoplex: Preparation and its potential application as an antioxidant in nervous system in vitro and in vivo](javascript:void(0)), International journal of pharmaceutics 572, 118824
6. [Albumin binding, antioxidant and antibacterial effects of cerium oxide nanoparticles](javascript:void(0)), Journal of Molecular Liquids 296, 111839
7. [Developed Silver Nitrate Pigment for Plant, Animal Tissue and Bacterial Staining](javascript:void(0)), The Journal of Research on the Lepidoptera Volume 50 (2): 196-202

Conferences and workshops attended:

1. the 5th Asian pacific International Anatomical and Histological conference (APICA)-Turkey 2005
2. 1st Biological conference in Dohuk Univ,2005
3. the 6th Asian pacific International Anatomical and Histological conference (APICA)-Tahran-2007
4. The international clinical Burca-anatomy conf,Turkey, 2011
5. Salahaddin university scientific conference,Erbil-Iraq, 2011
6. 4th scientific conference of Biology Dept of Dhuk univ, 2012
7. International workshop of diagnostic in Biology, April 29-30, 2019, in Biology Dept, College of Science, Salahaddin university-Erbil, Iraq
8. Workshop in (Nanotechnology application in chemistry),17-18 April, 2019, Chemistry Dept, College of Science, Salahaddin university-Erbil, Iraq
9. 3rd international conference in Biology and health sciences, Cihan University –Erbil and Hawler Medical University, Iraq.April30-May1,2019
10. المؤتمر العلمي حول الاشارات العلمية في القران والسنة النبوية والذي اقامته جامعة صلاح الدين في المركز الثقافي للفترة 15-16/10-2019
11. Hepatoprotective and nephroprotective role of Pistacia khinjuk gum against CCl4 in rat, International Conference on Medical, Biological and Pharmaceutical Sciences (ICMBPS) Istanbul, Turkey 20th–21st June, 2020

Number of supervision on MSc students: 7 students

Number of supervision on PhD students: 2