# The University of Jordan

# Dept.Biological Sciences

## Curriculum Vittae

# Faculty : Science

Department : Biological Sciences

Name of Faculty Member : Prof. Ziad A . Shraideh

Phone Number :Office: 5355000 / 22208

Cellular: 0776831802 or 065237528

Last Academic Degree: Ph.D

Name of University : University of Bonn

Country : Germany

Date of Obtaining the degree : 1984

Professor Degree: Since April 2000

Exact Specialization : Cell Biology

Research Interests : Cell Motility , Slime Molds, Cytotoxicity of heavy metals. Cytotoxicity of cigarettesmoking.Research Projects : Biology of slime molds, Cytoloxicity of heavy metals, Cytotoxicity of cigarette smoking . Major Areas of responsibilities : Teaching + Research.Publications : See attached list.Teaching Courses: General Biology / Cell Biology/ Molecular Cell Biology / Histology / Microtechnique / Muscle Biology

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**The University of Jordan**

**School of Science**

**Department of Biological Sciences**

**Name of researcher**: Dr. ZiadShraideh

**Email:** zshraideh@ju.edu.jo

**Google scholar site- ZiadShraideh**

<http://scholar.google.com/citations?user=PujL7LsAAAAJ&hl=en>

**Research gate site- ZiadShraideh**

http://science.ju.edu.jo/Lists/FacultyAcademicStaff/DispForm.aspx?ID=94&ContentTypeId=0x0100E4232CAAE74B17479C9FD0C7018BAFCE

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http://science.ju.edu.jo/Lists/FacultyAcademicStaff/DispForm.aspx?ID=94&ContentTypeId=0x0100E4232CAAE74B17479C9FD0C7018BAFCE

**Research Interests**:

I am participating in many research projects.

1. Cytotoxicity of heavy metals and tobacco smoking. In our research, we concentrate also on ameliorative effect of natural antioxidants. We run histological, biochemical, and ultrastructural investigations.
2. I and Prof Dr. DarwishBadran are running 2 research projects :

**A.1: Ameliorating Effects of Vitamin C and Garlic on Cigarette Smoking Toxicity of the Urogenital System of Male Albino Rat: Histological and Biochemical Study.**

Supported from DAR: 94000 JD.

**A.2: Protective effects of honey and allicin against cytotoxicity of smoking on respiratory and digestive systems of albino mice: Histological and biochemical investigation.**

Supported from DAR: 20000 JD.

1. I am the main advisor ( Prof Dr. DarwishBadran is coadvisor ) of 5 graduate students working on the following topics:

**B.**1 : PhD student SuhaAbabneh worked on:

**Ameliorating Effects of Vitamin C, *Ammivisnaga* and Garlic on Cigarette Smoking and Waterpipe and their Toxicity on the Respiratory System and Cardiovascular System of Swiss Albino Mice: Histological and Biochemical Study.**

Graduated at 5.11.2018, and published a paper:

Indian Research Journal of Pharmacy and Science; S. K. Ababneh et.al. **June’17**

Ind Res J Pharm & Sci|2017: June.:4(2) 1002

**THE EFFECT OF SMOKING MODELS ON THE SERUM LIVER ENZYMES**

**SuhaKhaiery Ababneh1\*, Ziad Shraideh1, Darwish H. Badran2**

1Department of Biological Sciences, Faculty of Science, The University of Jordan, Amman, Jordan

2Department of Anatomy andHistology, Faculty of Medicine, The University of Jordan, Amman, Jordan

**B.2**: : PhD student Alia Khawaldeh is working on:

**Ameliorating Effects of Honey,Turmeric and Cocoa on Cigarette and Waterpipe Smoking Cytotoxicity in the Digestive Systems of Albino Rat: Histological and Biochemical Study.**

**B.3**: PhD student Mohammed Faraj is working on:

**Renal andHepatoprotective Effect of resveratrol Against Tobacco Smoke-induced Cytotoxicity in Albino Mouse: Histological and Biochemical Study.**

**B.4**: BSC student Ahmad Zubaidy is working on:

**Ameliorating Effects of resveratrol on Cigarette andNarghile Smoking Cytotoxicity in the respiratory System of Albino Mouse: Histological and Biochemical Study.**

**B.5**: BSC student Wisam Hasan is working on:

**Ameliorating Effects of resveratrol on Cigarette andNarghile Smoking Cytotoxicity in theDigestive System of Albino Mouse: Histological and Biochemical Study.**

**C.**I am the main researcher of a research project supported by **SRSF**.

**SRSF-PROJECT# MPH/2/02/2014 ( Funded by 130000 JD ).**

**Title:**

**Lead Cytotoxicity of Automobile Exhaust in SelectedJordanianWorkers**

Ziad Shraideh1, DarwishBadranAbdelrahim Hunaiti3, Abdelkader Battah4

1,3Department of Biology, 2Department of Anatomy and Histology,

4Department of Forensic Medicine, Pathology and Microbiology.

The University of Jordan

**C.1**: We established a new **Scanning Electron Microscope Lab.** at the Department of Biological Sciences- School of Science.

**C.2**: Results of the project has been published:

International Journal of Occupational Medicine and Environmental Health 2018;31(4):1 – 9

https://doi.org/10.13075/ijomeh.1896.01243

**ASSOCIATION BETWEEN OCCUPATIONAL LEAD EXPOSURE AND PLASMA LEVELS**

**OF SELECTED OXIDATIVE STRESS RELATED PARAMETERS IN JORDANIAN AUTOMOBILE WORKERS**

ZIAD SHRAIDEH1, DARWISH BADRAN2, ABDELRAHIM HUNAITI3, and ABDELKADER BATTAH4

The University of Jordan, Amman, Jordan

1 Department of Biological Sciences, School of Science

2 Department of Anatomy and Histology, School of Medicine

3 Department of Clinical Laboratory Sciences, School of Science

4 Department of Pathology, Microbiology and Forensic Medicine, School of Medicine

1. I am participating in a research concerning **Cytotoxicity of Synthetic Nanoparticles.**

**We published a number of articles.**

1. I am participating in a research concerning **The protective Effect of Resveratrol against CCl4 Hepatotoxicity.**

An article has been published.

1. I am participating in a research concerning **The Hepatotoxicity of organoleadcompouds.**

An article has been published.

**List Of Publications 2011-2020:**

Ziadshraideh

Professor –Cell Biology, The University Of Jordan

Verified email at ju.edu.jo

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| [TITLE](https://scholar.google.com/scholar?hl=en&user=PujL7LsAAAAJ&view_op=list_works&sortby=title)Shraideh, Z., Badran, D., Alzbeede, A., Alqattan, D., Alzbeede, A. Friehat. K. (2020). Effect of Garlic, Vitamin C, Vitamin E–Selenium against Bioaccumulated Organolead-Induced Cellular Injury in Liver and Spleen of Albino Rats: Pilot Study. *Jordan Journal of Biological Science, 14*(2). **Accepted Article**Alzbeede, A., Shraideh, Z., Badran, D (2021). Ameliorative Effect of Resveratrol against Histological Alterations in Lung of Mice Induced by Subchronic Exposure of Cigarette and Waterpipe Tobacco Smoking. *International Journal of Morphology, 39*(1). **Accepted Article**Alzbeede, A., Shraideh, Z., Badran, D (2020). Resveratrol Attenuates Histological Alterations in Trachea of Mice Induced by Secondhand Subchronic Exposure to Cigarette and Waterpipe Tobacco Smoking. *Plant Archives, 20*(1). **Accepted Article**Mahmoud, N. N., Albasha, A., Hikmat, S., Hamadneh, L., Zaza, R., Shraideh, Z., & Khalil, E. A. (2020). Nanoparticle size and chemical modification play a crucial role in the interaction of nano gold with the brain: extent of accumulation and toxicity. *Biomaterials Science*, *8*(6), 1669-1682.Shraideh, Z. A., Badran, D. H., Hunaiti, A. A., & Battah, A. (2019). Delta-Aminolevulinic Acid Dehydratase Inhibition and RBC Abnormalities in Relation to Blood Lead among Selected Jordanian Workers. *Jordan Journal of Biological Sciences*, *12*(2).Jafar, H., Abuarqoub, D., Ababneh, N., Hasan, M., Al-Sotari, S., Aslam, N., ... & Awidi, A. (2019). hPL promotes osteogenic differentiation of stem cells in 3D scaffolds. *Plos one*, *14*(5), e0215667. | CITED BY | YEAR |
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| A modified smoking machine for monitoring the effect of tobacco smoke on albino ratsZ Shraideh, W Awaida, H Najar, M MuslehJJBS 4, 109-112 | [9](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=5819620362290940997) | 2011 |
| [Histological changes in tissues of trachea and lung alveoli of albino rats exposed to the smoke of two types of narghile tobacco products](https://scholar.google.com/citations)Z Shraideh, H NajjarJJBS 4, 219-224 | 8 | 2011 |
| β-Caryophyllene as putative male contraceptive: enhances spermatogenesis but not spermiogenesis in albino ratsZM Al-Alami, ZA Shraideh, MO TahaMedicinal Chemistry Research 24 (11), 3876-3884 | 3 | 2015 |
| Zinc oxide nanoparticles hepatotoxicity: Histological and histochemical studyMI Almansour, MA Alferah, ZA Shraideh, BM JarrarEnvironmental toxicology and pharmacology 51, 124-130 | [2](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=16191168045306739320) | 2017 |
| [The assessment of tobacco smoke toxicity on selected tissues from the cardiovascular and respiratory systems of the albino rat, an Ultrastructural Study](https://scholar.google.com/scholar)W Al-Awaida, Z Shraideh, D Badran, H ShehadehAnnual Research & Review in Biology 4 (24), 3666 | [1](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=7716679226755296685) | 2014 |
| [Effects of cigarette smoking on histology of trachea and lungs of albino rat.](https://scholar.google.com/scholar)Z Shraideh, W Al-Awaida, D BadranResearch Opinions in Animal and Veterinary Sciences 3 (10), 356-362 | [1](https://scholar.google.com/citations?oi=bibs&hl=en&cites=8890247163677324084,8772301939527482089) | 2013 |
| Association between occupational lead exposure and plasma levels of selected oxidative stress related parameters in Jordanian automobile workersZ Shraideh, D Badran, A Hunaiti, A BattahInternational Journal of Occupational Medicine and Environmental Health |  | 2018 |
| Resveratrol pretreatment reduces circulating inflammatory interleukins in CCl4-induced hepatotoxicity ratsYI Kandil, AD Maraqa, GA Oriquat, ZA ShraidehBulletin of Faculty of Pharmacy, Cairo University 55 (2), 319-323 |  | 2017 |
| Rosmarinic acid reverses the effects of metronidazole-induced infertility in male albino ratsZM Al-Alami, ZA Shraideh, MO TahaReproduction, Fertility and Development 29 (10), 1910-1920 |  | 2017 |
| PROTECTIVE EFFECTS OF VITAMIN C, VITAMIN E, AND BETA-CAROTENE AGAINST NICOTINE INDUCED OXIDATIVE DAMAGE TO URINARY SYSTEM OF ALBI...AD Maraqa, ZA Shraideh, AK Shakya, RR Naik, ZA ElAgbar, GA OriquatFRESENIUS ENVIRONMENTAL BULLETIN 26 (2 A), 1389-1396 |  | 2017 |
| Efecto del TabaquismoSobre la Estructura de los Hepatocitos: Estudio METKA Battah, DH Badran, ZA ShraidehInternational Journal of Morphology 34 (4), 1239-1244 |  | 2016 |
| Effect of Cigarette Smoking on the Structure of Hepatocytes: TEM Study.KA Battah, DH Badranc, ZA ShraidehInternational Journal of Morphology 34 (4) |  | 2016 |
| [Pulmonary Histological Alterations Induced by 20 nm Silver Nanoparticles](https://scholar.google.com/citations)M Almansour, CL Sajti, Z Shraideh, B JarrarJournal of Nano Research 35, 104-114 |  | 2016 |
| Structural characterization of rat ventricular tissue exposed to the smoke of two types of waterpipeW Al-Awaida, H Najjar, Z ShraidehIranian journal of basic medical sciences 18 (10), 942 |  | 2015 |
| EFFECT OF MERCURIC CHLORIDE (HgCl2) ON CYTOPLASMIC SHUTTLE STREAMING, MORPHOLOGY AND STRUCTURE OF THE PLASMODIAL SLIME MOL...AD Maraqa, RR Naik, ZA Shraideh, AK ShakyaFRESENIUS ENVIRONMENTAL BULLETIN 24 (12 B), 4567-4573 |  | 2015 |
| [The association between low birth weight and dental caries of primary teeth among Jordanian children.](https://science.ju.edu.jo/Lists/FacultyAcademicStaff/DispForm.aspx)T Athamneh, Z Al-Shraideh, TF Malkawi, MY Ersan, A ErsheidatMiddle East Journal of Family Medicine 12 (3) |  | 2014 |
| Effects of cigarette smoking and l-nicotine on isolated trachea, aorta and perfused heart of albino rat.ZA Shraideh, WJ Al-AwaidaResearch Opinions in Animal & Veterinary Sciences 2 (8) |  | 2012 |
| A Modified Smoking Machine for Monitoring the Effect of Tobacco Smoke on Albino Rats\Jordan Journal of Biological Sciences.-2011, Vol. 4, No. 2ZA Shraideh, W Awaida, H NajjarHashemite University |  | 2011 |
| Histological Changes in Tissues of Trachea and Lung Alveoli of Albino Rats Exposed to the Smoke of Two Types of Narghile Tobacco Products\Jordan Journal of Bi...ZA Shraideh, HN NajjarHashemite University |  | 2011 |