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Personal and Education

Place and date of birth Wadi-Seer (Amman Governorate),
1/11/1951

Marital status: Married, 2 children: Jumana & Zaid

Secondary General Exam: June, 1968.

B.Sc. Biology (major)- College of Education, University of
Education (minor): Baghdad, Iraq; June, 1972; very good;
First of the class.

M.Sc. (Biology-Physiology): Faculty of Science, Univ. of Jordan,
June, 1979; very good.

Ph.D. (Physiology): Dept. of Veterinary Sciences, College
of Agriculture and Life Sciences, Univ.
of Wisconsin-Madison, Wisconsin,
USA; May, 1984.

Appointments

Lecturer: Univ. of Jordan; Sept. 1979-Sept. 1980;

Assistant Professor: Univ. of Jordan: August 19th, 1984

Associate Professor: Univ. of Jordan; October 1st, 1989

Tenure: Univ. of Jordan; November 25th, 1990

Professor: University of Jordan. April, 2nd, 1995.

Positions

Assistant Dean of Faculty of Science for Students' Affairs
Sept. 1989-Aug 1991;

Acting Chairman of Dept. of Biological Sciences:
Sept. 1st 1991-Sept 1992

Chairman of Dept. of Biological Sciences:
Sept. 1993-Sept 1997.

Associate Dean of Science: Sept. 2000-April, 2002

Chairman of Central Tenders Committee:

July, 2001-April 2002

Academic Vice President for Scientific and Medical Faculties (UJ)

April, 2002 till January 2003

Acting Vice President for Academic Affairs for Humanities (UJ)

August 2002- Jan, 2003

Vice President for Academic Affairs (University of Jordan)

Jan, 2003- April, 2005

Vice President for Administrative and Financial Affairs (University of Jordan):

Sept, 2011- up till now.

Scholarships and Awards

- *Oct. 1968-June 1972:* Ministry of Education Scholarship; Jordan Government.
- *June, 1972:* Lukman Lawond Award for distinguished student in Biology, Baghdad.
- *Sept. 1980-April 1984:* University of Jordan Scholarship.
- *Sept. 1992-June 1993:* Fulbright Fellowship (American Council for International Exchange of Scholars).

Interests:

Research: Physiology and Pharmacology of smooth muscle; Screening of the effects of medicinal plants in mammalian systems using voltage- and patch- clamp techniques.

Career Development: Many articles dealing with the affairs of higher education, published in cultural journals and local newspapers

Supervision of Graduate Students:

Three PhD students and over 20 M.Sc. students already graduated.

Examination Committee Membership: served as an examiner for over 30 students from the Departments of Biological Sciences in the universities in Jordan.

Courses Taught:

1. General Biology (101, 102)
2. General Biology Laboratory (103, 104)
3. Cell Biology (211)
4. Physiology (366)
5. Special Studies in Biology (381)
6. Hematology (424)
7. Comparative Physiology (461)
8. Endocrinology (462)
9. Undergraduate Seminar (491)
10. Undergraduate Research (499)
11. Anatomy and Physiology for Medical Physics (560)
12. Advanced Physiology (763)
13. Research Methodology (791)
14. Graduate Seminar (792)
15. Physiology: Molecular Approach: *for PhD students* (965)

Funded Projects:

Many projects: The most recent is funded by Scientific Research Fund for the amount of JD (178,500). Title of Project: "*Do flavones attenuate nitrate tolerance? Impact on cardiovascular diseases*"

Books Authorship

1. **General Biology (I):** 1991, Open University of Jerusalem, Amman: 434 pages, illustrated: Coauthor of pp. 353-343. *In Arabic.*
2. **General Biology (II) :** 1994 , 2 volumes, Open University of Jerusalem, Amman: 499 pages, illustrated: Coauthor of pp. 1-61. *In Arabic.*
3. **General Biology Laboratory Manual,** 1993, Open University of Jerusalem, Amman: 143 pages, illustrated. *In Arabic.*

4. **Biology for high school**, 1996, Ministry of Education, Jordan Government, Amman 400 pages, illustrated, *colored*, coauthor of chapters 10-18. The book includes also a laboratory manual (200 pages). *In Arabic*.
5. **Human Physiology**: 26 chapters, 534pages, illustrated, colored, and indexed textbook for college students, 2012; single author. *In Arabic*. *Al-Maseereh Publishers, Amman*.
6. **Biology Laboratory Manual**. 2008. Editor and author. 25 chapters. Supported by the University of Jordan, Amman. *Alrai Press, Amman*.
7. Translation of **Biology by Raven**: to be taught for freshmen in the Saudi Universities, 1259 pages, completed. Translator and Editor.

Academic Publication:

1. Buckner, C.K., S. Cueva, **S. Abdalla**, and J.A. Will. Studies on segmental differences in sensitivity to adrenergic agonists in pulmonary arteries isolated from the guinea-pig. **European Journal of Pharmacology**,82:137-146,1982.
2. **Abdalla, S.S.**, R.B. Laravuso, and J.A. Will. Effects of Ketamine on the pulmonary arteries of guinea-pig. **Anesthesiology**, 57:A79,1982.
3. **Abdalla, S.S.**, R.B. Laravuso, and J.A. Will. Ketamine inhibits calcium influx in pulmonary arterial smooth muscle. **Anesthesiology**, 59(3): A372,1983.
4. **Abdalla, S.S.**, R.B. Laravuso, and J.A. Will. No role for 5-HT, histamine, prostaglandins, or leukotrienes in hypoxic pulmonart vasoconstriction of isolated guinea-pig pulmonary arteries. **Federation Proceedings**, 43:922,1984 (abstract).
5. **Abdalla, S.S.** Effects of the crude extract of the medicinal plant *Artemisia judaica* L. on guinea-pug smooth muscle. **Dirasat** , 13 (7): 115-125, 1986
6. **Abdalla, S.S.** and Abu-Zarga, M. Effects of cirsimaritin, a flavone isolated from *Artemisia judaica*, on guinea-pig ileum. **Planta Medica**, 53(4): 322-324, 1987.

7. **Abdalla, S.S.** Effects of the aqueous ethanolic extract of *Artemisia judaica* on guinea-pig isolated smooth muscle and heart. **Journal of Biological Sciences Research**, 19(3): 527-538, 1987.
8. **Abdalla, S.** Effects of the aqueous extract of *Paronychia argentea* on the guinea-pig smooth muscle and heart. **J. Biol. Sci. Res.**, 20(3): 357-367, 1989.
9. **Abdalla, S.S., M. Abu Zarga, and S. Sabri.** Preliminary observations on the pharmacology of petaline chloride, a quaternary alkaloid from *Leontice leontopetalum*. **General Pharmacology**, 20(5): 565-569, 1989.
10. **Abdalla, S., M. Abu Zarga, F. Afifi, S. Al-Khalil, and S. Sabri.** Effects of hispidulin, a flavone isolated from *Inula viscosa* on isolated guinea-pig smooth muscle. **General Pharmacology**, 19 (4): 559-593, 1988.
11. **Abdalla, S., M. Abu Zarga, F. Afifi, S. Al-Khalil, A. Mahasneh, and S. Sabri.** Effects of 3,3'-di-O-methylquercetin on guinea-pig isolated smooth muscle. **Journal of Pharmacy and Pharmacology**, 41: 238-141, 1989.
12. **Abdalla, S., S. Al-Khalil and F. Afifi.** Observations on the pharmacology of thalicminine, an oxyaporphine alkaloid from *Thalictrum isopyroides*. **General Pharmacology** 22: 253-257, 1991.
13. **Abdalla, S.** Determination of the median lethal dose of dichloroglyoxime for the mouse by different procedures. **Dirasat** 19B: 45-58, 1991.
14. **Abdalla, S. and F. Khalili.** Effects of dichloroglyoxime on isolated guinea-pig smooth muscle and atrium. **Drug and Chemical Toxicology**, 15 (2): 145-159, 1992.
15. **Abdalla, S., Y. Bilito, and A. Disi.** Effects of sand viper (*Cerastes cerastes*) venom on isolated smooth muscle and heart and on haematological and cardiovascular parameters in the guinea-pig. **Toxicon**, 30 (10): 1247-1255, 1992.

16. Mustafa, E.H., M. Abu Zarga, and **S. Abdalla**. Effects of cirsiolol, a flavone isolated from *Achillea fragrantissima*, on rat isolated ileum. **General Pharmacology**, 23:555-560, 1992.
17. Mustafa, E., M. Abu Zarga, S. Sabri and **S. Abdalla**. Constituents of *Achillea fragrantissima* and effects of 13-O-desacetyl-IB-hydroxyafraglucolide on rat isolated smooth muscle. **Fitoterapia**, LXIII (6):526-533, 1992.
18. **Abdalla, S.**, M. Abu Zarga, S. Sabri. Alkaloid of *Sternbergia clusiana*, and effects of lycorine on guinea-pig isolated pulmonary artery and heart. **Fitoterapia**, LXIV (6): 518-523, 1993.
19. **Abdalla, S.**, M. Abu Zarga and S. Sabri. Effects of oblongine chloride, an alkaloid from *Leontice leontopetalum* on guinea-pig isolated smooth muscle and heart. **Gen. Pharmac.**, 24(2):299-304, 1993.
20. Abu-Niaaj, L.,M. Abu Zarga, S. Sabri and **S. Abdalla**. Isolation and biological effects of 7-O-methyleriodictyol, a flavanone isolated from *Artemisia monosperma*, on rat isolated smooth muscles. **Planta Medica** 59: 42-45, 1993.
21. Mustafa , E.H., M. Abu Zarga, S. Sabri, and **S. Abdalla**. Effects of cirsiolol, a flavone isolated from *Achillea fragrantissima*, on rat isolated smooth muscle. **Int. J. Pharmacog.** 33:204-209, 1995.
22. **Abdalla, S.**, M. Abu Zarga and S.Sabri. Effects of the flavone luteolin, isolated from *Colchicum richii* on guinea-pig isolated smooth muscle and heart and on blood pressure and blood flow. **Phytotherapy Res.** 8,265-270, 1994.
23. **Abdalla, Shtaywy S.** and James A. Will. Effects of hypoxia, mechanical and chemical endothelium denudation on guinea-pig isolated pulmonary arteries. **Gen. Pharmacol.** 26:113-122, 1995.
24. **Abdalla, S.**, M. Abu Zarga and S. Sabri. Cardiovascular effects of oblongine chloride, an alkaloid from *Leontice lenotopetalum*, in the anaesthetized guinea-pig. **Phytotherapy Res.** 9:60-63, 1995.

25. **Abdalla, S.** and J. A. Will. Potentiation of the hypoxic contraction of the guinea-pig isolated pulmonary arteries by two inhibitors of superoxide dismutase. **Gen. Pharmacol.** 26:785-792, 1995.
26. Abu-Niaaj, L, M. Abu Zarga and **S. Abdalla.** Isolation and inhibitory effects of eupatilin, a flavone isolated from *Artemisia monosperma* Del., on rat isolated smooth muscle. **International J. Pharmacognosy** 34(1): 134-140, 1996.
27. Abu Zarga, M, R. Qauasmeh, S. Sabri, M. Munsoor, **S. Abdalla.** Chemical constituents of *Artemisia arborescens* and the effect of the aqueous extract on rat isolated smooth muscle. **Planta Medica**, 61, 242-245, 1995.
28. Al-Khalil, S., Masalmeh, A., **Abdalla, S.**, Tosa, H., Liuma, M.N- Arachidyianthranilic acid, a new derivative from *Ononis natrix* **Phytochemistry**, 58:760-763, 199.
29. **Abdalla, S.S.** and Will, J.A. Mechanisms of the inhibitory effect of ketamine on guinea-pig isolated main pulmonary artery. **Anesthesia & Analgesia** 78:17-22, 1994.
30. Hamad, H. and **Abdalla, S.** Pharmacological effects of flavonoids on rat isolated ileum: Structure-activity relationship. **Gen. Pharmac.** 28(5):767-771, 1997.
31. **Abdalla, S.** and Bilto, Y. Effects of selected flavones on deformability , osmotic fragility and aggregation of human erythrocytes. **Clin.Hemorheology Microcirc.** 18: 165-173, 1998.
32. **Afifi, F.U.**, Khalil, E. and **Abdalla, S.** Effect of isoorientin isolated from *Arum palastinum* on uterine smooth muscles of rats and guinea pigs. **J. Ethnopharmacol.**, 65: 173-177, 1999.
33. Fararjeh, M., Mohammad, M. K., Bustanji, Y., Alkhatib, H. and **Abdalla, S.** Evaluation of immunosuppression induced by metronidazole in Balb/c mice and human human peripheral blood lymphocytes. **International Immunopharmacology**, 8(2): 341-350, 2008.

34. Al-Awthan, Y. S., Abu Zarga, M. H., **Abdalla, S.** Flavonoids content of *Draceana cinnabari* resin and effects of the aqueous extract on isolated smooth muscle preparations, perfused heart, and blood pressure and on diuresis in the rat. **Jordan Journal of Pharmaceutical Sciences**, 3 (1): 8-17, 2009.
35. Harb, A., abu zarga, M., and Abdalla, S. Effects of trans-resveratrol, isolated from *Smilax aspera*, on smooth muscle, blood pressure, inflammation in rats and nociception in mice. **Jordan Journal of Biological Sciences**, 2(2)69-76, 2009.
36. Qnais, Esam, Abu-dieyeh, Mohamed, Abdulla, Fuad. and Abdalla, Shtaywy. The antinociceptive and anti-inflammatory effects of *Salvia officinalis* L. leaf aqueous and butanol extracts. **Pharmaceutical Biology**, 48(10): 1149-1156, 2010.
37. Masoud, S. B., Abu Zarga, M. H., and **Abdalla, S.** Withanolides content of *Withania somnifera*, and the effects of the aqueous extract on isolated smooth muscle, perfused heart, blood pressure and diuresis in the rat. *In preparation*, 2012.
38. Qnais, Esam, Abdulla, Fuad, Eiz-Eldin Kaddumi And **Abdalla, Shtaywy.** Evaluation of the antidiarrheal activity of *Laures nobilis* leaf extract in rats. **J. Medicinal Food**, 15(1): 51-57, 2012.
39. **Hallaq, E., Affifi, F. and Abdalla, S.** Evaluation of the hypocholesterolemic effect and phytochemical screening of the hydroethanolic extract of *Cratageus spinosa* from Jordan. **Natural Product communications**, 7(1):35-38, 2012.
40. Bilito, Y.Y., Suboh, S., Aburjai, T., **Abdalla S.** Structure-activity relationships regarding the antioxidant effects of the flavonoids on human erythrocytes. **Natural Science**, 4(9): 740-747, 2012
41. Hallaq, E.K., Kasabri, V., **Abdalla, S.S.**, Bustanji, Y. K., Afifi, F. U. Anti-obesity and antihyperglycemic effects of *Crataegus aronia* extracts: *In vitro* and *in vivo* evaluations. *Food and Nutrition Sciences*, 4: 972-983, 2013.
42. Other manuscripts are in the pipeline

Academic Conferences:

1. **Abdalla, S.S.**, R.B. Laravuso and J.A. Will. Hypoxic vasoconstriction of isolated pulmonary arteries of guinea-pig possible role of ATP. *Proceedings of the Third Arab Scientific Conference of Biological Sciences*, Nov. 3rd - 6th, 1984, Amman, Jordan.
2. **Abdalla, S.** Evaluation of the physiological effects of the aqueous ethanolic extract of *Artemisia judaica* on guinea-pig isolated smooth muscle and heart. *Proceedings of the Fourth Arab Conference of Biological Sciences*, April 29th-May 2nd, 1986. Hammamet, Tunisia.
3. **Abdalla, S.**, H. Talafha, and Alawi, A. Effects of some extracts of *Artemisia judaica* on cat isolated smooth muscles and on anesthetized cats and rats. *Proceeding of the first Arab Conference on Medicinal Plants*, Nov, 27th, 1986, Baghdad, Iraq.
4. **Abdalla S.S.**, M. Abu Zarga and S. Sabri. Effects of oblongine, a major alkaloid from *Leontice leontopetalum*, on isolated guinea-pig smooth muscle. *Proceedings of the Sixth Asian Symposium on Medicinal Plants and Spices*. Jan. 24th - 30th, 1989, Bandung, Indonesia.
5. **Abdalla, S.** and J.A. Will. Potentiation of the hypoxic contraction of the guinea-pig isolated pulmonary arteries by two inhibitors of superoxide dismutase. *Proceedings of the 7th Arab Conference of Biological Sciences*, Nov. 4th-7th, 1994. Sousse, Tunisia.
6. Hamad, H. and **S.Abdalla**. Effect of flavones on ileal smooth muscle: Structure- activity relationship. *Proceedings of the 1st scientific conference of Faculty of Pharmacy / University of Philadelphia*. 18-19 April 1995. Jerash, Jordan.
7. Mattar, S. and **S.Abdalla**. The Search for anti-inflammatory agents from *Inula viscosa* L. Proceeding of the 3rd conference for Arab pharmacists/ University of Jordan, Oct, 2001.

In addition, 8 international conferences have been attended and contributed to in the United States of America.

Furthermore, many other local conferences, workshops and meetings dealing with the different aspects of the strategies of higher education, such as

finance, quality control, accreditation, curricula, and planning of higher education have been attended.

Job- Related Positions

1. Chairman of the Board of the Marine Science Station in Aqaba
2. Chairman of the Board of the Consultations, Technical Services and Studies Centre/ University of Jordan.
3. Chairman of the Board of the Network for Learning and Global Development
4. Representative of the University of Jordan to the Islamic Universities League.
5. Member of the Board of the Jordan Institute of Diplomacy.
6. Member of the Board of the Financial Studies Institute.
7. Liaison Officer for quality assurance of Higher Education.
8. Member of the Academic Committee of the Jordan Institute of Diplomacy.
9. Chairman of the Curricula Committee/ the University of Jordan.
10. Member of the Investment Fund Committee/ the University of Jordan.
11. Chairman of the Database and Foreign Periodicals Committee.
12. Member of the Scholarships and Grants Committee/ the Ministry of Higher Education.
13. Member of the Efficiency Exam for College Graduates Committee/ the Ministry of Higher Education.
14. Member of the Committee for the Development of Higher Education Project; Financed by World Bank/ The National Centre for the Development of Human Resources.
15. Chairman of The Steering Committee for The Tokyo Foundation Fund endowed to the University of Jordan.
16. Chairman of the Committee for Student Support Fund/ the University of Jordan.
17. Chairman of the Committee for the Development of *e-Learning*.
18. Chairman of the Committee to supervise the Granting of Her Majesty Queen Rania Al- Abdullah the Honorary Doctoral Degree (The event was postponed several times).
19. Chairman of the Committee and Head of Delegate to grant Dr. Daisako Ikeda, the Honorary Doctor of philosophy in Linguistics, Tokyo, July 2004.
20. Chairman of the Scientific Committee for Hamdi Mango Centre
21. Member of the Board of the Hamdi Mango Centre.

22. Chairman of the Consulting Committee for the Support of Students with Special Needs.
23. Chairman of the Committee for the Restructuring of the University of Jordan.
24. Chairman of the Standing committee for the Selection of Distinguished Published Research/ the University of Jordan.
25. UJ representative for establishing relationships with world class universities.
26. Countless number of *ad hoc* committees for many aspects that concern higher education in Jordan.
27. Referee for Shuman Scientific Prize for Young Arab Scientists in Biology and Ecology, for the year 2009/2010.
28. Member of the Editorial Board for Jordan Journal for Biological Sciences. This is the official Journal for research in biological sciences, and published by the Ministry of Higher Education and Scientific Research in Jordan. Assignment started October, 2010.
29. Member of the Board of Trustees for Mu'tah University, Jordan. This assignment was by a Royal Decree and started October, 2010 for the coming 4 years.
30. Head of the *Academic Committee* for the Board of Trustees for Mu'tah University.
31. Deputy Chairman of the Board of Trustees for Mu'tah University: June 2012 till now.
32. Reviewer for a number of local scientific journal as well as international journals including *Pharmaceutical Biology* and *Journal of Pharmacy and Pharmacology*.
33. Representative of the University of Jordan for the Jordanian Universities' Network.