

Prof. Dr. SAAD M.SHUKR AL-MSHHADANI

Phone: IRAQNA 07901604014

Email: saadshukr4@gmail.com

Languages: Arabic & English



SCIENTIFIC QUALIFICATIONS

PROFESSOR, PhD cell Biology, Co

EDUCATION

- ❖ **1985 Ph.D. in cell biology, Colorado state university, Department of Biology. Fort Collins, the United States of America. 1985**



Certifications

1. Academic staff training program at Bangor University Wales, United Kingdom
2. Quality management system (Internal Audition) based on ISO 9001: 2015/INOVATORS/ICRC/ UK
3. Lead Auditor (Quality management System ISO 9001: 2015/INOVATORS/ICRC/ UK
4. Quality Management System consultant/ USA

SUMMARY

My education as a PhD philosopher and skills permitted me to

- ❖ **Appointed in various scientific and top management positions in numerous famous universities**
- ❖ **Made and participated researches in several scientific research in organisations**
- ❖ **produced 40 important scientific publications,**
- ❖ **Attended 15 conferences and courses,**
- ❖ **Lectured for graduated, master degree and PhD student,**
- ❖ **Translated and edited 8 assays and scientific books,**
- ❖ **Acquired many prizes and honored and thanks from different significant identities.**
- ❖ **Active member in many reputable societies**
- ❖ **Edited ten different scientific books**

WORK EXPERIENCE

1987-93 Head of Biology Department, Nuclear Research Center, Baghdad, Iraq,
#



Prof. Dr. SAAD M.SHUKR AL-MSHHADANI

1993-96	Assistant Dean,	College of Science, Al-Mustansiriyah University Baghdad, Iraq,
1994-98	Dean,	College of Education, Diala University, Diala, Iraq
1998-00	president of university	of Diala
2000-04	Dean,	College of Science, Al-Mustansiria University, Baghdad, Iraq,
2003- Present	Education and Sci. Researcher	Al-Mustansiriyah University, Baghdad Iraq
	Head of Fundamental Sci.	College Pharmacy
	Acting General Director,	Culture and Relations, Ministry of Higher Education, Iraq
1987-2003	Researcher,	College of science, Al-Mustansiriysh University and nuclear research Centre, Baghdad, Iraq
1980- Present	Lecturer (Teaching),	many universities (Baghdad, Al-Mustansiriyah, Al-Qadisiyah Babylon, college of Science and college of Engineering.
Present	Head of department	Al Rasherd College, Baghdad, Iraq

SCIENTIFIC PUBLICATIONS

1. Equilibrium and dynamics of boron adsorption in some Iraqi soils. ZANCO Journal, Vol. (5); No. (4); 1979
2. Germination behavior of some plants as influenced by soils priory scientific publications Universi treated with different irrigation water. ZANCO Journal, Vol. (5); No. (4);)pp 145-70, 19/9.
3. Impact of SAR and salinity of water on ESP Iraqi soils aud validity of the adjusted SAR concept. ZANCO Jouru Vol 5: N. (3); pp 145-61, 1979
4. Influence of variation in water quality on precipitation and dissolution on Lime in some Iraqi soils. ZANCO Journal, Vol. (5); No. (4); pp 119- 44. 1979.
5. Response of two mutants Barley CV. Aritive to salinity. International Conference on Plant Growth, Drought and Salinity in the Arab Region. Pp 3-7, 1988.
6. The effect of salinity and radiation on some cellular contents and water relation in callus of four wheat cultured in vitro. International Conference on Plant Growth, Drought and Salinity in the Arab Region, 1988
7. Comparative study of salt tolerance of four genotypes of barley. The Iraqi Journal of Biological Science, Vol. (9); No.(1; pp 1-22, 1989.
8. Evaluation of drought avoidance and tolerance io three barley genotypes. Accepted for publication in Iraqi Journal of Biological Science, 1990.
9. Testing salt tolerance variability of two barley mutant CV numar. Ibn Al-Haithm Journal for Pure and Applied Science, Vol. (3); No. (1) pp 1-13; 1992
10. Selection for drought tolerance in wheat tissue culture. Accepted in Iraqi Journal of Biological Science, 1993.
11. Study of physiological and morphological changes as a measure of salt tolerance in different barley genotype. Accepted for publication in Ibn Al-Haithm Journal of Pure and Applied Science, 1993

Prof. Dr. SAAD M.SHUKR AL-MSHHADANI

12. Growth and regeneration ability of wheat call induced water stress and irradiation. Accepted Journal of Biological Science, 1994
13. Ion content and water relation in wheat callus culture PEG induced water stress and irradiation. Accepted for publication in Iraqi Journal of Biological Science, 1994
14. Evaluation of drought tolerance of two barley mutants. Iraqi Journal of Biological Science, Vol. (5); No. (14): pp 11-19: 1995.
15. Investigation of Niche differentiation in Talinn of ten plant species Part () Science, Al-Minia science Bulltin, Botany Section, Vol. (8) 1995.
16. Biomass production from some food industry wastes by Sacecharonyces Cerevisise. Accepted for publication in Ibn Al-Haithm Journal for Pure end Applied Science, 1996.
17. Cell membrane stability as a measure of drought to erarce n genotype of barley. Accepted for publication in ibn Al-Hsithm Jeuma for Pure and Applied Science, 1996. Publication in Journal of Water and Agriculture, 1996. (Hordeum Vulgera L) varieties/lines. Accepted for publication in b
18. Plasma membrane and salinity tolerance of barley plant. Accepted for publication in journal of water and agriculture journal 1996.
19. Detection of DNA polymorphisms in a number of salt tolerance barley (Hordeum Vulgera L) verities/lines, accepted for publication in Ibn Al-Haitham journal for pure and applied science 1997.
20. Evaluation of eight soybean mutants for their protein and content. Journal of Diala, vol, (1) No (2) 1997
21. Evaluation of eight wheat genotypes for drought tolerance. Journal of Diala, vol. (1) ; pp 1-17, 1997
22. Evaluation of wheat (Triticum Aestivum L) genotype to drought tolerance. Journal of Diala, Vol. (2), 1997
23. Evaluation of eight Soybean seeds for their protein and oil conterit. Dirasat and International Refereed Journal, Vol. (25) No.1 pp 113-6 1998.
24. Effect of drought on some cell morphological and physiological parameters of two wheat genotypes: (Triticum Aestivum L). Journal of Diala vol 1 No 6 1999.
25. Development of tolerance to salinity in tritical (Var. Maya Armacdia) journal Diala vol 2 No 3, 2000.
26. Forest management by using matrix model. Journal of Diala, Vol. (8); 2000
27. Some aspects of soil construction in Iraq and means of its improvement (review) journal of Diala vol 1 no 10 2001.
28. Growth end generation ability of wheat callus to salt radiations. Ibn Al-Haithm Journal for Pure and Applied Science, Vol.14 No (4)2001
29. Ion contents and water relation in wheat callus exposed to salt and radiation. Ibn Al-Haithm Journal for Pure and Applied Science, Vol. (14); No. (4), 2001.
30. The teacher training on their performance. Journal of Diala, Vol. (2), No. (1), 2001
31. Wheat tissue culture exposed to PEG induced water stress and irradiation. Agriculture and Environment. Journal of Diala, Vol. (1): No. (10), 2001.
32. Biochemical study of patient's serum with renal failure and renal calculi disease and the activity of some plant extracts in renal calculi destruction. Accepted for publication in Al-Mustansiriyah Journal of Science, 2004
33. Biological study of patient's serum and urine with renal failure renal calculi disease and the activity of some plants extracts in renal calculi destruction in vitro. Accepted in Pharmaceutical Science, 2004
34. In vitro culture study of sat tolerance trait in five variety of Rice Sativa L. Accepted for publication in Al-Mustansiriyah Journals of Science, 2005
35. Study of effect of hot water and cold extraction of tobacco leaves on human ACHE activity. Accepted for publication in Al-Mustansiriyah Journal of Science, 2005

Prof. Dr. SAAD M.SHUKR AL-MSHHADANI

36. The effect of Eucalyptus Camadulensis and menthe viridis extracts on some bacterial associated with upper respiratory tract infections in children. Accepted for publication in Al-Mustansiriyah Journal of Science, 2005.
37. Study the effect of Fig fruit on gout and comparison its effect with Allopurinol drug. Accepted for publication in Pharmaceutical Sciences 2005.
38. Evaluation of Salt Tolerance in Callus, Seedling of five Varieties of Oryza sativa L.J. of Iraqi Agric. 14(6): 77-87 (2010)
39. Effect of Some Growth Regulators of Callus Growth and Plant Regeneration in Five Varieties of Rice Oryza sativa L. under Saline Conditions. J. Bio. Tech.9(1):33-47. (2010)
40. Study the Effect of Hot and Cold Water Extractions of Tobacco Leaves on the Human Serum Choline estrases (ACHE). Activity Jordanian International Pharmaceutical Conference 2010 (JIPC) 20-22 October 2010), Held T AL-Zaytoonah Private University of Jordan.

CONFERENCES

1. Soil Science Conference. Las Vegas, USA, 1984.
2. Arabic Biology Science Conference. UNESCO, Scientific Research Center, Baghdad, 1989
3. The Fith Scientific Research Center Conference, Baghdad, 1989.
4. Biological Science Society Center, Baghdad, 1989
5. The Second Nuclear Research Center Conference, Baghdad, 1989.
6. The Second Scientific Conference of the Atomic Energy Organization 1989
7. Using Remote Sensing Techniques Dissertation in Syria, ACSAD, 1990
8. The Eleventh Scientific Conference for the Association of Living Sciences Biology, University of Basra, 1990.
9. The Twelfth Scientific Conference for the Association of Eiving Sciences Biology, University of Baghdad, 1992.
10. An Expert Symposium of Discussing Future Ecology for Saddam River, Center of Ecology Studies.
11. A Symposium of the Reduction of Dissertation held in Syria, ACSAD, 1996.
12. Arab Biologists Conference, Jordan, 1997.
13. New Techniques in Water Economy Use for Agriculture, Tunis, 2001.
14. Invitation from France Government, CNRS, Paris, 2002.
15. invitation from international conference Turkey 2017

HONORING AND THANKS

1. Official thanks from Training Office, Nuclear Research Center, 1988
2. Official thanks and reward from Babylon University, College of Sciences, 1990.
3. Official thanks from National Center of Planning and Developing Management, Ministry of Planning, 1990
4. Official thanks and reward from Al-Qadisiyah University, College of Education, 1990.
5. Official thanks from Training Office, Nuclear Research Center,
6. More than ninety five thanks from different ministries and universities for different activities.

HIGHER STUDIES

1. Supervisor of fifteen M.Sc. students in Biology Department, College of Education, Baghdad university, 1986-1990
2. Supervisor of eight M.Sc. students, College of Agriculture, Baghdad university 1989-94

#

Prof. Dr. SAAD M.SHUKR AL-MSHHADANI

3. Supervisor of fourteen M.Sc. students, College of Science, A- Education, Baghdad University, (1986-1990). University, (1989-1994). Mustansiriyah University), (1993-2003),
1. Supervisor of twelve Ph.D. students, College of Education and College of Science, Baghdad University, College of Science and Nuclear Research Center, Al-Mustansiriyah University, Department of Biology (1993- 2003)
4. Supervisor of Post Graduate Study in College of Mustansiriyah University(Present Time)

TRANSLATED BOOKS

- New methods in water and soil analysis, 1990.
- Plant physiology, 1992.
- Philosophy of science and scientific logic of biology science, pharmacy
- Guidelines for professional safety for learning laboratories 2018
- Quality guide 2018
- General guide for pharmacy department labs. 2018
- Self-assessment 2018 Q.S.P-7 5.2 316-1
- Some of the scientific medicals in Quran 2014

EDITING

- Philosophy of science and scientific logic of physic 2002.
- Philosophy of science and scientific logic of chemistry 2004
- Philosophy of science and scientific logic of mathematics. 2006
- Philosophy of science and scientific logic of computer 2013

INNOVATIONS AND PRIZES

- Manufacturing a device for pressure potential chamber to measure water potential of plants. The development of this device was done through a scientific and novel technique which has exceeded device in USA and Japan manufactured. The price of the imported device was \$35000, whereas the cost of the manufactured device was \$450. Many Iraqi colleges of different universities were interested in this device.
- A prize of Ma Bayna Al-Nahrain. The research presented of vital importance as it deals with the use of new technique in transplanting tissues in the production of plant resists salinity and drought, 1992.
- A prize of Al-Liqaa Day awarded 1998
- A prize of Al-Liqaa Day awarded 2000.

TEACHING

1. Advance plant physiology for postgraduate students (MSc and Ph.D.).
2. Plant physiology for undergraduate students in College of Science
3. Agriculture. General biology for undergraduate students.
4. Ecology and radiation biology for post and undergraduate students.
5. Advance stress physiology (salinity and drought) for postgraduate students.
6. Advance water relations subject for postgraduate students.
7. Biostatistics for post and undergraduate students.

#

Prof. Dr. SAAD M.SHUKR AL-MSHHADANI

8. Human biology for the College of Pharmacy, Al-Mustansiriyah university A-Rasherd College university
9. Medical human biology department of dentistry

SOCIETIES MEMBERSHIP

1. Iraqi Agricultures Engineers Society
2. Iraqi water Resources Society
3. Iraqi Biological Society
4. Iraqi writers and Authors
5. Iraqi A academic Society
6. Iraqi Teachers Society

COMMITTEE AND TRADES UNION

- Chief Editor of Diala Journal for Pure and Applied Science.
- Presidential Committee of Plant Tolerance for Salinities and Drought.
- Trade Union of Agricultural Sciences.
- Trade Union of Iraqi Biologists.
- Trade Union of Chief Editor of Journal of Science, C Al-Mustansiriyah University

SCIENTIFIC JOURNALS IN WHICH I HAVE PARTICIPATED AS AN EXPERT

1. Journal of Agriculture Research and Water Resources, Baghdad University
2. Journal of Iraqi Biology, Baghdad
3. Journal of Education and Science, l-Mustansiriyah University
4. Basra Journal of Agriculture Science.
5. Ibn Al-Haithm Journal for Pure and Applied Science.
6. Basra Journal for Pure and Applied Sciences.
7. Diala Journal for Pure and Applied Sciences.
8. Journal of Science, Al-Mustansiriyah University. College of Sciences
9. Journal A-Rasheed College University.

STUDIES

I have participated in the following studies

1. issue a Scientific Journal College of Education
2. open College of Law
3. open College of Sciences, Diala State.
5. the Education College of Teachers and History Department Performance in College of Education, 2000
6. open Biology Department.

#

Prof. Dr. SAAD M.SHUKR AL-MSHHADANI

7. open College of Physical Education in Diala State.
8. open Physics Department.
9. open Psychological and Educational Department.
10. open Consul.
11. open unit for Developing Teaching Techniques.
12. open Dial Research Center in
13. open Evening Studies in College of education in Diala University
14. concerning the most important Iraqi problems "How to live with salinity and drought
15. Improve Plants salt and Drought. Tolerance especially wheat and Barley.
16. open postgraduate study in College of Pharmacy in Al- Mustansiriyah University
17. Admission requirements for post graduate students in Iraq.

ملخص السيرة الذاتية

الاستاذ الدكتور سعد محمود شكر

- خريج الولايات المتحدة الامريكية /جامعة كولورادو الرسمية الحكومية (Colorado State University).
- الاختصاص :بايولوجيا الخلية / علوم حياة.
- رئيس الفريق الوزاري للتصنيف الوطني لجودة المختبرات التعليمية للجامعات والكليات الاهلية
- ممثل وزارة التعليم العالي والبحث العلمي لتقييم الاجراءات والمعايير الخاصة بالامن البايولوجي والسلامة البايولوجية للجامعات والكليات الحكومية والاهلية
- رئيس قسم ادارة جودة المختبرات في كلية الرشيد الجامعة
- حاصل على شهادة رئيس مدققين دولي /أريكا البريطانية
- حاصل على شهادة استشاري أنظمة جودة / الولايات المتحدة الامريكية
- عضو الفريق الوزاري للتصنيف الوطني وتحديد مسارات الجامعات والكليات الاهلية.
- شغل منصب عميد كلية العلوم /الجامعة المستنصرية .
- شغل منصب رئيس جامعة ديالى
-
- الان : معاون عميد ورئيس قسم علوم الحياة في كلية الرشيد الجامعة .
- عدد البحوث المنشورة في مختلف المجالات ومنها سكوبس وكلارفيت اكثر من (51) بحثا علميا .
- له العديد من المؤلفات ترجمة عدد من الكتب العلمية.
- اشرف على طلبة الماجستير والدكتوراه والبالغ عددهم (43) طالب .
- عدد الجوائز الوطنية التي حصل عليها(6) جوائز