

**C.V.**

**Assist.Prof.**

**Dr. Shurook Mohammad Kadhim Saadedin**



**Assist. Prof.:** Dr. Shurook M. K. Saadedin

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**Work at:** Institute of Genetic Engineering and Biotechnology of  
Postgraduate Studies – Baghdad University - IRAQ

**Specialization:** Medicinal and Aromatic Plants Production and Analysis

**Languages:** Arabic and English

**Education:**

- **1980: B.Sc.** Crop Science, (first Graduates), College of Agriculture, Baghdad University- Iraq.
- **1987: M.Sc.** Crop adaptation to environment, College of Agriculture, Baghdad University - Iraq.
- **2000: Ph.D.** Medicinal and Aromatic Plants production, College of Agriculture, Baghdad University - Iraq.
- **2007: Postdoctoral**, Separation and Identifications of Active Constituents of Medicinal and Aromatic Plants, **Endeavour research fellowship** - Department of Chemistry and Biomolecular Sciences- Macquarie University -Australia
- **2012: M.Sc.** Biotechnology, Faculty of Agriculture and Environment - Sydney University- Australia

## **Employment Record:**

- **2013- present:** Assistant Prof. Institute of Genetic Engineering and Biotechnology of Postgraduate Studies – Baghdad University.
- **2013-2015:** Director of Scientific Affairs- . Institute of Genetic Engineering and Biotechnology of Postgraduate Studies – Baghdad University
- **2011-2012** M.Sc. Student and staff member of Sydney University- Australia
- **2008- 2010:** Visiting Research Fellow, Department of Chemistry and Biomolecular Sciences- Macquarie University- Australia.
- **2007-2008:** Postdoctoral, Endeavour research fellowship, Department of Chemistry and Biomolecular Sciences- Macquarie University- Australia.
- **2004- 2007:** Assist. Prof., Crop Science Department, College of Agriculture, Baghdad University.
- **1999- 2004:** Lecturer, Crop Science Department, College of Agriculture, Baghdad University.
- **1987-1999:** Lecturer Assist., Crop Science Department, College of Agriculture, Baghdad University.
- **1981-1985:** Technical (Lab. Assistant). Crop Science Department, College of Agriculture, Baghdad University

## **Courses Taught:**

Under Graduate: Aromatic and Medicinal Plants , Crop Environment , Physiology and Growth Regulators , Crop Production , Crop Physiology ,Statistics ,Experimental design.

Graduate: Aromatic and Medicinal Plants Production, Biotechnology and Biostatics

## **Courses and workshops:**

- Advance course in Application of Real time PCR Technique – FDNA, AI – Nahrain University,2013.

- Safety in Laboratories (Bio-waste management) – Ibn Al- Haitham, Baghdad University, 2014
- 20<sup>th</sup> Summer school on Pharmaceutical Analysis SSPA Italy, Advanced Analytical Methodologies for Medicinal Plant Characterization 2015.
- The concepts of nature reserves in Iraq, workshop, The Ministry of Higher Education and Scientific Research, Baghdad University, Iraq , 2015

### **Conferences and Symposiums**

- Molecular Methods in diagnosis of Infectious Diseases, Symposium -Baghdad University - Iraq -2016
- Bioinformatics, its importance in the development of biological and medical research - Symposium -Baghdad University - Iraq - 2016
- Student Scientific Conference , Institute of Genetic Engineering and Biotechnology, Baghdad University, Iraq, 2016
- Live lectures on " Biotechnology in agriculture and genetic improvement" Institute of International education ( IIE ) USA, Development and Continuing Education Center - University of Baghdad -2016
- Role of Natural Herbs in the Treatment of Hypertension and Type II diabetes type AL-Mustansiriyah University -2016
- First International Scientific Conference of Biological Sciences, Baghdad University, Iraq 2015
- Industrial applications of enzymes in the areas of bio-technology, Symposium, Institute of Genetic Engineering And Biotechnology, Baghdad University, Iraq, 2015
- Statistical software for data analysis, workshop, The Ministry of Higher Education and Scientific Research, Baghdad University, Iraq , 2014
- The Second International Scientific Conference, Institute of Genetic Engineering and Biotechnology, Baghdad University, Iraq 2014
- The use of nuclear techniques in plant, Symposium, Baghdad University, Iraq 2014
- Plant Breeding and Improvement, Symposium, Baghdad University, Iraq 2014

- Biofuels production Techniques, Symposium, University of Baghdad, 2013
- The first Scientific Conference- Crop science Department – College of Agriculture – University of Baghdad- Iraq- 2013
- The First International Scientific Conference of Applied Biotechnology – AL-Nahrain University -Iraq- 2013
- RACI Natural Products Chemistry Group One-Day Symposium, Australia 2009.
- RACI Natural Products Chemistry Group One-Day Symposium, Australia 2007.
- The Sixth Jordanian Agricultural Scientific Conference, Faculty of Agriculture, University of Jordan. Amman, Jordan. 2007.
- The Fourth Jordanian Agricultural Scientific Conference, Faculty of Agriculture, Jerash Private University. Jerash, Jordan. 2001
- The first Iraqi conference of Agriculture in Tikrit University, Iraq. 2000.
- 18<sup>th</sup> Iraqi conference of chemistry, University of Baghdad, 1994.
- Iraqi conference of medical plants, University of Baghdad, 1986.

#### **Societies:**

- Medicinal Plant Society of Iraq, 2004
- The Iraqi Association of Biology Science, 1999
- The Iraqi Association of Field Crops Science, 1996
- American Society of Agronomy, 1986-1987.
- Crop Science Society of American, 1986-1987
- The Iraqi Union Agriculture Engineering, 1981

#### **Committees:**

- Member of the Committee of Preparing a Book (Bibliography) about Medicinal plants researches in Iraq, 2001. (Information data base) 2001
- Member of the Committee of Medical Plants in the College of Agriculture, Baghdad University, Iraq, 2002-2003
- Representative of the Ministry of Higher Education in the Committee of Medical Plants in the Ministry of Agriculture, Iraq, 2002-2003
- Member of the Committee of Medical Plants in the Ministry of Industry, Iraq, 2002-2003

- Member of the Committee of the Construction of the Pharmaceutical Garden, Ministry of Higher Education, Iraq, 2002
- Consultant in Rabi Center, Ministry of Industry-Responsible for the medicinal and aromatic plants Project, 2001-2003
- Consultant in Ibn el Beitar Center –Ministry of Industry, Iraq, 2002
- Rapporteur of Graduates Studies in the Dept. of Crop science College of Agriculture, Baghdad University, Iraq 2001-2007
- Director of Research and Evolution in the Dept. of Crop science College of Agriculture, Baghdad University, Iraq 2001-2007
- Director of Scientific Affairs - Institute for Genetic Engineering and Biotechnology for Postgraduate Studies, Baghdad University Iraq, 2013- 2015.
- Editorial Board- Iraqi Journal of Biotechnology, 2014- present.
- Member of the Scientific Committee - Institute for Genetic Engineering and Biotechnology for Postgraduate Studies, Baghdad University, Iraq, 2015

#### Works:

- Medical Plants of the Arabs, Food and Medicine, research, 1993
- How to make Medicines from Herbs, Article, 1987
- Herbs, book, translated, 1986.
- Thesis 1987: Effect of Plant Density and Water stress on corn (*Zea mays* L.).
- Dissertation 2000: Influence of some variables on Growth, Yield and Alkaloids of *Atropa belladonna* L.  
The dissertation obtained the award of innovation.
- Thesis 2012: The Effect of Plant Growth Promoting Rhizobacteria (PGPR) on Wheat Grain Protein Quality

#### Publications:

حسن, احمد ياسين وشروق محمد كاظم سعد الدين (2018) تأثير الرش بالزنك والحديد في الحاصل والمادة الفعالة Trigonelline لبذور الحلبة *Trigonella foenum- graecum* L مجلة جامعة كركوك 9 (2) 137-143

شروق محمد كاظم سعد الدين و حسن, احمد ياسين (2018) تأثير الاجهاد المائي والرش بالبرفين في الحاصل والمادة الفعالة Trigonelline لبذور الحلبة

, 90-97 (1)19 مجلة ديالى للعلوم الزراعية ,Trigonella foenum- graecum L

- 1- Saadedin Shurook M.K.,Zainab Shaban Khalaf,Ahmed Ala'a Jalil,and Kais Kassim Ghaima (2018) Characterization of *blaOXA* variants of *Acinetobacter baumannii* isolated from burns and wounds infections in Baghdad, Iraq, *Research Journal of Pharmaceutical, Biological and Chemical Sciences*,9(5) 1568 - 1575
- 2- Hade, B. F. A. M. Abd Al-Amery,H. K. Zainab, I. Ibrahim and Shurook M. K. Saadedin, (2018) Histopathological Study of Different VLM Stages of *Toxocara canis* Infection in Liver of Rabbits, *Iraqi Journal of Biotechnology*, 17 (2 ) 47-56
- 3- Hade, B. F. Shurook M. K. Saadedin, A. M. Abd Al-Amery,H. K. Ibrahim (2018) Sequencing and phylogenic variation of ITS-2 region and *rrnL* gene in *Toxocara canis* of Iraqi isolation, *J. Bio. Env. Sci.* 13 ( 1), 71-82,
- 4- Abbas,M.R.and S.M.K. Saadedin (2018) Quantitative detection of CAMV-35S promoter and T- NOS terminator in genetic modified Tomato from Iraqi markets, *Iraqi Journal of Agricultural Sciences*,49 (5)
- 5- Saadedin, SMK (2018) Genetic diversity and alkaloids profile evaluation of *CATHARANTHUS ROSEUS L.* Based on RAPD molecular markers and RP- HPLC analysis, *Pak. J. Biotechnol*, 15 (2), 541-551,
- 6- Mohammed, IH, SJ Al-Awadei, SMK Saadedin, (2018)The Relationship between single nucleotide polymorphism of interleukin-10 gene promoter (-1082 A/G) with infection *CHLAMYDIA TRACHOMATIS* infertile Iraqi women, *Iraqi Journal of Agricultural Sciences*, 49 (3), 478- 486,
- 7- Kassim Kais and Shurook Saadedin (2018)Study the gene expression of *blaOXA23* and *blaOXA24* genes in Imipenem resistant *Acinetobacter baumannii* isolated from burn wounds, *Journal of Applied Biological Sciences*, 12(2):8-11

- 8- Saadedin, SMK, IHM Al-Zaidi, SJA AL-Awadi (2017) Solvents extraction efficiency for lycopene and  $\beta$ -carotene of GAC fruit (*Momordica cochinchinensis*, spreng) cultivated in Iraq, *Bioscience Research*,14 (4), 788-800,
- 9- Iqbal Harbi Mohammed, Salwa J. Al-Awadei, SMK Saadedin, (2017) Molecular diagnosis of *Chlamydia trachomatis* in infertile Iraqi women using Real time-PCR and comparison with other methods, *Iraqi Journal of Science*, 38 (3B) 1437-1446
- 10- Kais Kassim Ghaima, Shurook Mohammad Saadedin (2016) AdeABC Efflux Pump Genes in Multidrug Resistant *Acinetobacter baumannii* Isolated from Patients in Baghdad, Iraq. 17<sup>th</sup> Internantional and Iranian Congress of Microbiology. Tehran University – Iran
- 11- KK Ghaima, Shurook Mohammad K, KA Jassim (2016) Isolation, molecular identification and antimicrobial susceptibility of *Acinetobacter baumannii* Isolated from Baghdad hospitals. *International Journal of Scientific and Research Publications* 6 (5), 351- 356.
12. Kais Kassim Ghaima, Shurook Mohammad Saadedin (2016) Prevalence of BlaOXA like Carbapenemase Genes in Multidrug Resistant *Acinetobacter baumannii* Isolated from burns and Wounds in Baghdad Hospitals. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* 7 (3) 1247-
13. Baktash F.Y. S.M.K. Saadedin and B.A.Abraheem (2012). Effect of planting dates and nitrogen fertilization in the yield and quality of CHAMOMAILE, *Matricaria chamomilla* L. *Journal of Kerbala University* .The second scientific conference of college of agriculture: 471-476.
14. Ateah H.J., S.M.K. Saadedin and B. A. Abraheem (2010) Effect of plant growth regulators on some vegetative characters of BLACK SEED. *The Iraqi Journal of agriculture sciences* 41: 80-88.
15. Abraheem B.A., H.J. Ateah and S.M. K. Saadedin (2009) Distribution pattern of dry matter in BLACK SEED plant as affected by growth regulators and sowings dates. *The Iraqi Journal of agriculture sciences* 40: 78-84.
16. Saadedin, S. M. K., H.J. Ateah and B. A. Abraheem (2009) Effect of Plant growth regulators and planting dates on seed yield fixed

- and Volatile oil in *Nigella sativa* L. *AL- Anbar Journal of Agriculture Sciences* 4: 109-117.
17. Baktash F.Y., S.M.K. Saadedin and B.A.Abraheem (2009) Effect of spacing and planting dates in growth and yield of *Ammi Visnaga* L. *AL- Anbar Journal of Agriculture Sciences* 4: 103-108.
  18. Saadedin, S.M.K., A.Y.Hassin and N.S.AL-Azawi (2009) Effect of plant density and Nitrogen fertility on Growth properties of *Petroselinum Sativum* L. *Journal of Research Diyala humanity* 36: 312-326
  19. Suhel, M., A.Y.Hassin and S.M.K. Saadedin (2009) The effect of Interaction between *Trichoderma harzianum* fungi and organic matter on growth of *Anethum graveolens*. *Journal of Tikrit University for Agricultural sciences*.9:
  20. Abd Al-Khaliq ,S. Mahdi, S.M.K. Saadedin and Hassin, A.Y. (2009) Effect of seeding date and phosphate fertilizer on growth and yield of pods of *Trigonella foenum graecum* L. *Journal of Tikrit University for Agricultural sciences*.9:
  21. Al- Hadeethy, O.N., S.M.K. Saadedin and Al-Nadaawi (2007) Use of *Cressa cretica* extract to control Dodder. *The Iraqi Journal of agricultural sciences*. 38: 62-67.
  22. Elshahookie M. M. and S.M.K. Saadedin (2006) Flowering phenology of Caper and regrowth after decapitation. *The Iraqi Journal of agricultural sciences*.37:51-58.
  23. Saadedin, S.M.K. and A Y. Al – Mehdawi (2005) Influence of nitrogen levels on growth and yield and alkaloids content of three species of DATURA (*Datura stramonium* L., *Datura innoxia* M., and *Datura metel* L.) I- Flowering stage. , *The Iraqi Journal of soil sciences* 5: 191 -202.
  24. Saadedin, S.M.K. and A .Y. AL- Mehdawi (2005) Influence of nitrogen levels on growth and yield and alkaloids content of three species of DATURA (*Datura stramonium* L. , *Datura innoxia* M., and *Datura metel* L. ) 2 - Maturation stage .*The Iraqi Journal of soil sciences*, 5: 203- 219
  25. Saadiden, S.M.K., A. Y. Naseralla and M. M. El-Sahookie (2005) Growth, yield and alkaloids of (*Atropa belladonna* L. ) 2- Influence of dates of planting and transplanting in the field on growth and yield of plants. *The Iraqi Journal of agriculture sciences* 36:75 -80



26. Saadedin, S.M.K., A. Y. Naseralla and G.M.V. Weerden (2005) Growth, Yield and alkaloids of (*Atropa belladonna* L. )3 - Shading and leaf nutrition effects on growth and yield of plants. *The Iraqi Journal of agriculture sciences* 36:81-88
27. Saadedin, S. M. K..A. Y. Naseralla and A. Al-askarie (2005) Growth , Yield and alkaloids of(*Atropa belladonna*) 4-Influence of date of planting and transplanting ,shading an leaf nutrition on alkaloids, yield and percentage. *The Iraqi Journal of agriculture sciences* 36:89-96.
28. Saadedin S.M.K. (2004) Treatments for improvement of germination and seedlings development of (*Atropa belladonna* L.). *The Iraqi Journal of agriculture sciences* 35: 65 – 70
29. Gadan, H. M., S. M. K. Saadedin and A. M .H. Al-Saamarraie (2004) Evaluation of some commercial fats and oils in Iraqi markets. *The Iraqi Journal of agriculture sciences* 35: 127 -134
30. Saadedin S.M.K., T. K. Ibrahim and Z. T.(2004) Balassim Effect of growth regulators on growth and yield and quality of (*Pimpinella anisum* L. ) *Al-Fatah Journal*, 20:158-170
31. Saadedin S.M.K, and A. Y. Naseralla (2001) Growth, Yield and alkaloids of Belladonna. 1- Soil texture effects, *Journal of Tikrit University for Agriculture sciences*. 1:348-361
32. Saadedin S.M.K. (1999) A preliminary study on *Matricaria chamomilla*. *The Iraqi Journal of agriculture sciences* 30: 305 - 314.
33. Khrbeet H. K., S.M.K.Saadedin (1995) Effect of Phosphorus on reproductive characteristics of contrasting Alfa Alfa cultivars. *The Iraqi Journal of agricultural sciences*.26:93-99.
34. Baker R. H., S.M.K. Saadedin and A.D. Salieman (1988) Effect of population densities and water stress on corn. 1- Effect on yield and some plant characteristics . *The Iraqi Journal of agricultural sciences*.19:233-249
35. Baker R. H.,S.M.K. Saadedin and A.D. Salieman (1988) Effect of population densities and water stress on corn. 2- Effect on plant yield and its components . *The Iraqi Journal of agricultural sciences*.19: 251-264
36. Baker R. H.,S.M.K. Saadedin and A.D. Salieman (1988) Effect of population densities and water stress on corn. 3- Water use and water use efficiency. *The Iraqi Journal of agricultural sciences*.19: 265-277.

