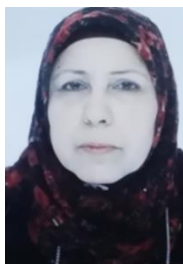


CURRICULUM VITAE



Name and : Sajida Aziz Abood Fleih Mirsa
Sex : Female
Date of Birth : 6-2-1960
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Nationality : Iraqi
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EDUCATION

1- B.Sc., 1982 in Biology, College of science, Univ. of Mosul.

2- M.Sc., 1986 in Biology \ Botany.

Occurrence, properties and inhibitors of dihydrofolate reductase isolated from *Helianthus annuus* L. callus.

Dept. of Biology, College of Science, Univ. of Mosul.

3- Ph. D in Biology/ Botany –Plant tissue culture-1997.

**Role of folic acid in the synthesis of pyrimidine and purine in callus of
Lactuca sativa L.plant**

EMPLOYMENT

1986: Assistant Lecturer in Biology, College of Science, University of Mosul.

1989: Lecturer in Biology- Botany, College of science, University of Mosul.

1992; Assistant Prof_in Biology- Botany, College of science, University of Mosul.

Teaching :

. Pant physiology , Enzymes , Cell biology
Advanced plant biochemistry ,Plant tissue culture, Advanced plant physiology,
Metabolism of Botony

Participations and activities:

**1- The first Scientific Conference of Biology in Dep. of Biology/ Botany
College of Science, University of Mosul, Iraq, in September-2009.89**

**2-First International Conference on pure and applied science , ICPAS
2018 which was held on April 23-24 , 2018 at Koya University, Koya, KRG-
IRAQ.**

**4- The third Science Conference for Biological Sciences, in 21-
22/2018 – held in Biology Dep. College of Science , University of
Mosul, Iraq.**

5- Effect of sulfamethoxazole compound in initiation and growth of callus of Peganum harmala plant, 5- 7th Scientific Conference of Education College 6-7 /5/2012 Tikrit University – College of Education

Sajida A. Abood

Rana T.Yahya

6- Propagation of Lactuca sativa L. by tissue culture, The First Arab Conference on Prospects for Modern Biotechnologies,27-30/4/1989. Amman/Jordan

Mohammad,A.M.

Sajida A. Abood

7- Electrical shock enhanced nucleic acids, proteins and specific activity of thymine nucleotide biosynthesis enzymes in stem callus of

Sesamum indicum L.

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Contemporary International Scientific Forum
for Educational, Social, Human, Administrative and Natural Sciences
"Present Vs Future Outlook"

الملتقى العلمي الدولي المعاصر
للعولم التربوية والاجتماعية والانسانية والادارية والطبيعية

"نظرة بين الحاضر والمستقبل"

30 - 31 ديسمبر - 2019 - اسطنبول - تركيا

<http://kmshare.net/isac2019/>

SCIENTIFIC ACTIVITIES

PUBLICATIONS

1986

- 1-Mohammad, A.M.S.; Al-Barhawi, R.K. and Abood, S.A. (1986). Effect of some growth regulators on the initiation and growth of sunflowers callus. *J. Univ. Kuwait (Sci.)*. 13(2): 199-205..

1989

- 2- Mohammad, A.M.S.; Al-Chalabi, K. and Abood, S.A. (1989a). The Occurrence and Properties of Dihydrofolate Reductase Isolated from Sunflower Callus. *J. Exp. Bot.* 40: 693-699.
- 3- Mohammad, A.M.S.; Al-Chalabi, K. And Abood, S. A. (1989b). Effect of Folate Analogues on the Activity of Dihydrofolate Reductase and Callus Growth of Sunflower. *J. Exp. Bot.* 40(6): 701-706.
- 4- Mohammad, A.M.S ;Sajida A. Abood and Al-Saleh H.S. (1989). In vitro propagation of *Phaphidophora aurea* L. , Iraqi J. Biol.Scs.,8:7 – 17.

1990

- 5- Al-Chalabi, K.; Mohammad, A.M.S. and Abood, S.A., (1990). Purification and properties of dihydrofolate reductase from sunflower callus. *J. Coll. Educ.* 2: 239-391.
- 6- Mohammad, A.M.S ; Sajida A. Abood (1990). Growth and sucrose content of suger beet callus, Iraqi J. Biol.Scs.,10:13-27.

1991

7- Al-Saleh H.S. ; Sajida A. Abood (1990). Effect of some growth regulators on the senescence of leaf discs of sunflower plant, Iraqi J. Biol.Scs., 10:29-42.

8- Mohammad, A. M. S.; Abood, S. A. and Al-Salih, H. S. (1991). Effect of folate analogous on protein, RNA and DNA contents of lettuce.

Iraqi J. Biol. Sci. 11:15-25.

1993

9- Abood, S. A. (1993).Isolation and partial purification of formyltetrahydrofolate synthetase from sunflower callus ,Mesopotamia J. Agric.,25:41-49. 1993

1995

10- Mohammad, A. M. S. and Abood, S. A.(1995).Effect some of growth regulators on protein, nucleic acids content and plants regeneration from Sesamum indicum L. callus, Rafidain journal of science,6 (1):1-12.

2004

11- Abood, S. A.(2004). Isolation ,identification and partial purification of cytosine deaminase from sunflower(Helianthus annuus L.) callus, Rafidain journal of science,15:31-42

2005

12- Abood, S. A(2005).Propagation of Almond (Amygdalus communis L.) Plant by Tissue Culture, Rafidain journal of science,16(8A):100 -112.

13- Mohammad, A. M. S. and Abood, S. A (2005).Effect of some growth regulators on the initiation and growth of cotton(*Gossypium hirsutum* L.) callus. *Mesopotamia Journal of Agriculture*, 33(1):101-106.

2006

14- Al-Dulaimee,H.M. and Abood S.A.(2006). Effect of Folate Analogues on the Activity of Dihydrofolate Reductase and Seedlings, Callus Growth of *Nigella Sativa* L. Plant. *Rafidain journal of science*,17(2A):1-13.

15- Al-Dulaimee,H.M. and Abood S.A.(2006). Presence of Dihydrofolate Reductase in Seedlings and Callus of *Nigella Sativa* L. Plant. *Rafidain journal of science*,17(1A):26-38.

2007

16- Mohammad, A.M.S.; Al-Chalabi, K. and Abood, S.A.(2007).Isolation and partial purification of thymidylate synthetase from *Lactuca sativa* L. callus, *JOURNAL OF EDUCATION AND SCIENCE*,19 (2):1-11.

2008

17- Abood, S.A.(2008). Effect the exposure of *Nigella sativa* L. stems callus to gamma radiation on dihydrofolate reductase enzyme activity and isolated folate content, *JOURNAL OF EDUCATION AND SCIENCE*.21:1-8.

18- Abood S.A. ;Alhadi.A. and AlDulaimee,H.(2008).Isolation,identification and partial purification of dihydrofolate synthetase from hypocotyl stem callus of lettuce plant (*Lactuca sativa* L.) *Mesopotamia Journal of Agriculture*, 36(4):150-156

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19- Abood S.A. and Al-Dulaimee,H.M. (2009)Effect of gama radiation in callus growth of Nigilla sativa L. plant, JOURNAL OF EDUCATION AND SCIENCE,22(35):91-99.

20-Jumma N. E, and Abood,S.A.(2009).Isolation and Partial purification of glutamine synthetase from the Callus of Stems of *Nigella sativa* L.,J. educ. & Sci. 22 (1), 84-95. (2009)

2011

21- Abood,S.A. and Jumma N. E, (2011). Effect of Sulfacetamide Compound in Growth and Initiation of *Nigella Sativa* L. Stems ' Callus,College of basic education researches journal 11(1).467-474.

22- Abood,S.A .(2011). Propagation of Tamarind (*Tamarindus indica* L.) Plant by Tissues Culture, Rafidain journal ofscience,22(2A):68-78.

2012

23- Abood,S.A. and Khathyer,F.H.(2012). Measurement of Specific Activity of Dihydrofolate Reductase (DHFR) Enzyme and Determination of Folate Content Extracted from UVExposed Stem- Derived Callus of Sunflower (*Helianthus annuus* L.), Raf. J. Sci. 23 (3) 1-11. (2012)

24- Abood,S.A. and Khathyer,F.H.(2012).Effect of ultra-violet radiation on callus growth and differentiation of sunflower (*Helianthus annuus* L.), MU'TAH ,27(2):49-60. 2012.

2013

25- Al-Tae, N.E.; Abood, A.S. and Al-Mallah, M.K. (2013) Heat shock enhanced nucleic acids, proteins content and specific activity of thymine nucleotide biosynthetic enzymes in stem callus of *Sesamum indicum* L. J. of biotechnology Research Center. ,7. :247-56

26- Al-Tae, N.E.; Abood, A.S. and Al-Mallah, M.K. (2013). Ultrasonic waves stimulate the activity of thymine nucleotide biosynthesis enzymes, nucleic acids and proteins content of *Sesamum indicum* L. stem calli. *Dirasat, Pure Sci.* 39(1):91-97.

2014

27- Al-Tae, N.E.; Abood, A.S. and Al-Mallah, M.K. (2014). Specific activity of thymidine nucleotide biosynthetic enzymes in hairy roots extracts of *Sesamum indicum* L. transformed by two strains of *Agrobacterium rhizogenes* ,J. of biotechnology Research Center., 8(2):64-72.

2015

28- Ghanem, S.N. and Abood S.A. (2015). Effect of Sunflower (*Helianthus annuus* L.) Seeds Treatment by Diode Laser Radiation in seedlings and calli growth, J. OF THE Biotechnology Research center ,9(2):21-30.

2018

29- Yahya,R.T. and Abood S.A.(2018). Initiation,growth and differentiation of *Aesculus hippocastanum* cotyledon calli under water stress effect, International J. for Science and Technology,13(2):19-24.

30- Abood,S.A. and Jumma N. E, (2018). Effects of *Vigna radiate* Seeds Treatment by Aminoprine and Trimethoprim in the Activity of Dihydrofolate Reductase Enzyme and its Seedlings, Calli Growth , Raf. J. Sci. 27 (2) 64-71.

2019

31- Ghanem,S.N. and Abood S.A.(2019). Diode Laser Radiation Effects in Initiation and Growth of Sun Flower Plant (*Helianthus annuus* L.) Callus, Raf. J. Sci. 28(1) 24-34.

32- Nihal E. Al-Tae Sajida A. Abood* Mozahim K. Al. Mallah (2019). Electrical shock enhanced nucleic acids, proteins and specific activity of thymine nucleotide biosynthesis enzymes in stem callus of *Sesamum indicum* L. Contemporary International Scientific Forum for Educational, Social, Human, Administrative and Natural Sciences "Present Vs Future Outlook

2020

33- Sultan,E.T.y. and Abood, S.A.(2020).Effect of salt stress conditions in the seeds germination,seedlings growth and callus initiation of pea (*Pisum sativum* L.) In the culture media,Raf.J.Sci.29(1):11-25.

34- Sultan,E.T.y. and Abood, S.A.(2020).Role of the pretreatment by laser diode redation in the growth of seedlings and callus of pea (*Pisum sativum* L.) under salinty stress., Raf.J.Sci.29(1):67-50.

2021

35-Sultan,S.M and Abood.S.A.(2021). The role of ascorbic acid in the tolerance of *Helianthus annuus* L. to salinity stress in tissue cultures and field, Int.J.Multi.Res.and Growth Eval.2(5): 426-433.

Graduate studies

1- Role of folic acid in the growth seedlings,callus and suspension cells of Nigella sativa L. Plant. Hekmat Mustafa 2005

2-Physical and genetical manipulation of Sesame, Sesamum indicum L., tissues and effects in the activity of nucleotide ,biosynthetic enzymes,folate and oil. Nihal Ezzat Jumma Ph.D Thesis 2013

3- Effect of Laser Radiation in the Initiation and Growth of Sunflower (*Helianthus annuus* L.) Calli, Dihydrofolate Reductase Enzyme Activity and their Contents of Nucleic Acids, Proteins and Folate

Sara Nazar Msc. Thesis 2017

4- Assessment of diode laser radiation and folic acid pretreatments on germination, seedlings and callus growth of *Pisum sativum* L. plant under salinity stress

Eman Taha Yassin Sultan Ph.D Thesis 2020

5- Role of ascorbic acid in the initiation and growth and differentiation of *Helianthus annuus* callus growing under salinity stress.

Shima Mohammad Msc. Thesis 2022