**CURRICULUM VITAE**



**Name and : Sajida Aziz Abood Fleih Mirsa**

**Sex : Female**

**Date of Birth : 6-2-1960**

**Marital Status : Married with 4 children**

**Nationality : Iraqi**

**Position : Lecturer in Biology**

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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.**

**Nihal E. Al-Taee Sajida A. Abood\* Mozahim K. Al. Mallah**

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

**الملتقي العلمي الدولي المعاصر
‎‎‎للعلوم التربوية والاجتماعية والانسانية والادارية والطبيعية**

**"نظرة بين الحاضر والمستقبل**

30 - 31 ديسمبر –2019 - اسطنبول – تركيا

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

**Resercher get : score: 2.28**

***SCIENTIFIC ACTIVITIES***

**PUPLICATIONS**

**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.**

**محمد،عبد المطلب سيد، البرهاوي، رياض خليل و عبود، ساجدة عزيز(1989). تاثير بعض منظمات النمو في استحداث ونمو كالس زهرة الشمس. مجلة جامة الكويت.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 parial purification of thymidylate synthetase from lactica 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 gama redation 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 parial purification of dihydrofolate synthetase from hypocotyl stem callus of lettuce plant (Lactica sativa L.) Mesopotamia Journal of Agriculture, 36(4):150-156**

**2009**

**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 synthatase 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-Taee, 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-Taee, 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-Taee, 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 *Agrobacteruim 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 of Diode Laser Radiation inseedlings 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 Aminoptrineand 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-Taee 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 (Pissum 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 (Pissum sativum L.) under salinty stress., Raf.J.Sci.29(1):67-50.**

 **الاشراف على طلبة الدراسات العليا**

**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**