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Sex :- female

City and country :- Baghdad \_ Iraq

Date of birth :- Augst 1971

Marital Status :- Married ,have three children

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| --- | --- | --- | --- | --- |
| Years Attended From to | Degree Diploma Obtained | Major Field | Place | Educational institution |
| 1990- 1993  2006- 2008  2011-2015 | B.SC  M.SC  PH.D | Horticulture science  Plant Tissue culture  Plant Tissue culture | University of Baghdad  University of Baghdad  University of Baghdad | a. College of agriculture  b. College of agriculture  c. College of agriculture |

موظفة في وزارة العلوم والتكنولوجيا (الطاقة الذرية سابقا) منذ عام 1994 ولغاية 2012, مدرسة في كلية الزراعة جامعة كربلاء منذ عام 2013 ولحد الان.

المواد التي ادرسها

1. Plant tissue culture
2. مركبات الايض الثانوي
3. تقنات احيائية
4. نباتات طبية
5. منظمات نمو
6. كيمياء نبات

List of Publication:

1. Hamad, M.S.; S.A. Al-Mukhtar. 2010. Influence of nutrient media, explants on callus induction on *Papaver somniferum* *in vitro*. Journal of Kerbala University, Vol.8, No.2, Scientific. 2010
2. Hamad, M.S.; S.A. Al-Mukhtar. 2010. Influence of sucrose and tyrosine on callus induction and morphine and codeine on *Papaver somniferum* *invitro*. Biotechnology research center. Vol.4, No.2, Scientific 2010.
3. سامي, كريم محمد و طه, فادية حسين و المختار, سراب عبد الهادي. 2015. تحفيز تكوين بصيلات الليليم *Lilium longiflorum* خارج الجسم الحي. مجلة جامعة كربلاء للعلوم الزراعية, المجلد الثاني, العدد الثاني, الصفحة118-129.
4. المختار, سراب عبد الهادي و حمد, محمد شهاب. 2015. تاثير التشعيع والكولسترول والبروجسترون في انتاج المركبات الكلايكوسيدية القلبية من الافرع الخضرية لنبات الديجيتالس *Digitalis lanata* خارج الجسم الحي. مجلة جامعة كربلاء للعلوم الزراعية, المجلد الثاني, العدد الثالث.
5. Almukhtar, S.A.; M.S.Hamad.2015. Effect of irradiation and Cytokinines on shoot multiplication of *Digitalis lanata* *In* *vitro*.The Iraqi Journal of Agriculture Science -46(6):1023 – 1028.
6. Aljnabi A. A., S. A. Almukhtar, S. M. Lateaf, A.H. Kadum, A.R. Abbod, A. Y. Hassan, A. Y. Ibrahim. Re-irradiation by gamma ray to increase genetic variation of barley hybrid. Twelfth Arab Conference on the Peaceful Uses of Atomic Energy, Sharm El-Sheikh, Arab-Republic of Egypt, 16 -20 May 2015.
7. Sarab, A. Almukhtar, A, A. Aljanabi and M, H. Alhasany. (2016). Effect of seed irradiation of *Digitalis lanata* and auxine addition to increase branches cultivated in vitro rooting, Thirteenth Arab Conference on the Peaceful Uses of Atomic Energy, 18-22 Dec 2016, Tunisia.
8. Sarab, A. Almukhtar. (2017). Effect of growth regulators and irradiation and methyl Jasmonte in the induction and production of flavonoids in callus of *Vitis vinifera in vitro*. Journal of global pharma technology, Vol.9, NO. 11-12, ISSN: 0975-8542.
9. Sarab, A. Almukhtar. (2017). Detection of the Genetic Stability for the Tissue *Digitalis lanata* Plants that Seeds Irradiation with Gamma Ray by Using RAPD Technique. Journal of Kerbala University, vol. 11, NO. 3. Scientific.2017.
10. Sarab A. Almukhtar.(2017). Effect of growth regulators and sucrose on the induction and production of flavonoids in callus of *Vitis vinifera* (L) *In vitro*. Pak. J. Biotechnol. Vol. 14 (4) 803-809.
11. Sarab A. Almukhtar. (2018). Influence of polyethylene glycol and tyrosine on morphine alkaloids production from callus of *Papaver somniferum in vitro*. J. Pharm. Sci. & Res. Vol. 10(2), 282-287.