



Curriculum vitae

Personal data:

Full name	Bushra Mohammed Jabir Alwash
Date and Place of Birth	19/5/1966, Al-Hela, Babelon.
Nationality	Iraqi
Religion	Muslim
Marital status	Married
Occupation	Instructor, Dpt. Of Biology, College of Science for Woman, Baghdad university.
Permanent Address	Iraq, Baghdad, Al-Mansour.
E-Mail	bushraalwash@yahoo.com
Knowledge of languages	Arabic, English
Gender	Female

Qualifications:

- Ph. D. Degree, with grad (V .Good)2006, in Biotechnology, University of Baghdad, college of Science for women, Biology Department.
- M.Sc. Degree, with grade (V.Good) 2001, in Plant Tissue Culture, University of Baghdad, College of Education for women, Biology Department.
- B.sc. Degree in Education, , with grade (V.Good)1988, University of Baghdad, College of Education for women, Biology Department .

Professional Academic Experience:

- 2013- till now rapporteur of higher education for biology department/ college of Science for women.
- 2006- till now. Lecturer, dept. of Biology, Science College for women, Baghdad University teaching (Biotechnology, Plant tissue culture & Medicinal plant for undergraduate) and plant biotechnology ,secondary metabolites and extraction techniques for post graduate MSc and Ph.D.

- 2006 –till now Advisor of research projects for students of the fourth stage.
- 2001-2003: Instructor Assistant / laboratory of plant tissue culture, Dpt. of plant tissue culture in AEO.
- 1988-2000: Teacher / Secondary school in Babylon Government.
- 2008 December 22, Attention in Symposium about Biodiversity Protection Baghdad City, held in Baghdad university, College for Science for women, Baghdad Iraq.
- 2010 March 20, Attention in Symposium about Iraqi Water bodies, held in Baghdad University, College for Science for woman, Baghdad Iraq.
- 2010 May 20 Participation in International Biodiversity day, held by ministry of Environment in Baghdad University, College for Science for woman, Baghdad Iraq.

Other Qualification:

- Certificate in English language for postgraduate students from Baghdad University (1999).
- Certificate in Computer for postgraduate students from Baghdad University (1999).
- Certificate in TOEFL test .

Association Membership:

- Member in the Iraqi association of Agricultural engineering.
- Member in University Instructors Gathering, Baghdad, Iraq.

Publications:

- 1- Al-Ani, Tariq A.: Mobasher S, Omer & Alwash, B.M. 2003. Callus formation and production in tobacco tissue culture in three different growth media. J. of biotechnology research. 5(1): 43-58.
- 2- Omar, Mobasher S.; Tariq A. Al-Ani & Alwash, B.M. 2006. Improvement of nicotine production in tobacco callus by two-phase culture. J. of biotechnology research. 8 (1): 97-108.
- 3- Alwash, B.M.; Hadel H. Al-Mo'men & Mushtak F. Karomi. 2010._Using Traxacum officinale wigg. Extract as alternative to some components of MS media in plant tissue culture experiments for Tomato plant. Journal of Kufa University for biology. 1 (2):

- 4- Alwash, B.M.: safaa Al-deen A.Sh. Al-Qaysi & Mushtak F. Karomi. 2010. Effect of methanolic extract for (leaves and roots) of *Bacopa monniera* L.aerial plant parts on the growth for some of bacteria and fungi.
- 5- Alwash, B.M. Extraction and identification for some products of secondary metabolite on *Bacopa monniera* L. plant cultivated in Iraq.
- 6- Alwash, B.M.and shatha T. Ahmed. 2011. Study of antimicrobial activity **of some active secondary compounds for *Viola odorata* on -7 growth for some types of bacteria .**
- 8- Alwash, B.M.and Ansaam, Z. (2013) In vitro micro propagation of *Spilanthes acmella* (L.) Murr.Biotech. Reserch .8(1) 55-60.
- 9- Zina H. S., Alwash, B.M.,Maisam B. N., and Maisam Gh.(2014) Estimation some active compounds of grape seed extract *Vitisvenifera* and evaluate their effectiveness against types of pathogenic bacteria.IJST .9(1)124-129.
- 10- Alwash, B.M.and Jasim,S.F. (2014) Phytochemical study of stigmasterol and B-sitosterol in *viola odorata* plant cultivated in Iraq. Iraqi Journal of Biotech.13(2)86-94.
- 11- Alwash, B.M.and Hasan,Z.J.(2015)Increasing the production of spilanthol in *spilanthes acmella* L.Murr.by using tissue culture technique.jurnal of Biotechnology Research Centre9(2)31-38.

12- Alwash B. M. J. and Zainab O. S. Extraction of Iraqi Jasminum sambac 2016(4)13،مجلة بغداد للعلوم،(L.)Oil and Study It's Effect as Antioxidant Agents .

13- response of yucca gloriosa(variegata) to tissue culture

KMI ansam G. Abdul-Halem, Bushra Alwash

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14- Isolationof Jasmimin fromJasmine (*Jasminum sambac*)

HMH AL-Momen, MAH Gali, BMJ Alwash

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15-Spilanthes acmella (L.) Murr. دراسة دور الاوكسينات والساييتوكاينينات في اكنثار نبات
بشرى محمد جابر علوش و انسام زهير جاسم مجلة بغداد للعلوم 11 (3)، 1372-1367

-CYTOTOXIC AND ANTIOXIDANT ACTIVITY OF 16(2017)B.M.J. Alwash-
FRUIT JUICE OF ERIOBOTRYA JAPONICA (THUNB.) LIND PLANT
CULIVATED IN IRAQ. The Iraqi Journal of Agricultural Sciences3(48)892-898.

17-Hadeel MH AL-Momen, Mohammed AH Gali, Bushra MJ Alwash(2015)
.Isolationof Jasmimin fromJasmine (Jasminum samba).14(2)121-113