



## Curriculum vitae

### Personal data:

Full name	Prof. Dr. 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	bushraalwash1966@gmail.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:

- 2006- till now. Lecturer, dept. of Biology, Science College for women, Baghdad University teaching

### **for under graduate**

Biotechnology, Plant tissue culture & Medicinal plant biotechnology and nanotechnology

## **for post graduate MSc and Ph.D**

- secondary metabolites and extraction techniques
- principle of biotechnology plants and animals
- metabolic genetic engineering
- 2006 –till now Advisor of research projects for students of the fourth stage.
- 2009-till now advisor of MSc and Ph.D
- 2001-2003: Instructor Assistant / laboratory of plant tissue culture, Dpt. of plant tissue culture in AEO.
- 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 frowth 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.journal 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

14- Isolation of Jasminin from Jasmine (*Jasminum sambac*)

HMH AL-Momen, MAH Gali, BMJ Alwash

IRAQI JOURNAL OF BIOTECHNOLOGY 14 (2), 113-121

15- بشرى محمد جابر علوش و انسام زهير جاسم .دراسة دور الاوكسينات والساييتوكاينينات في اكنثار نبات *Spilanthes acmella* (L.) Murr.

مجلة بغداد للعلوم 11 (3), 72-1367

16- B.M.J. Alwash .CYTOTOXIC AND ANTIOXIDANT ACTIVITY OF FRUIT JUICE OF *ERIOBOTRYA JAPONICA* (THUNB.) LIND PLANT CULIVATED IN IRAQ.

The Iraqi Journal of Agricultural Sciences. (2017)3(48)892-898.

17- تاثير اللايبوسوم المحمل بالمستخلص الكلوروفورمي لنبات الرازقي

على بعض الخطوط السرطانية *Jasminin* او *Jasminum sambac*

عامر طالب توفيق و بشرى محمد جابر علوش و محمد عبد الهادي غالي و هديل مكي حبيب

المجلة العراقية للسرطان والوراثة الطبية ,المجلد التاسع , العدد الثاني 2016

18- تاثير المستخلص الكحولي لاوراق نبات (الينكي دنيا) *Eriobtrya japonica* في بعض الاجناس البكتيرية وبعض الصفات الكيميائية والميكروبايولوجية للحم البقر

مجلة العلوم الزراعية العراقية ,المجلد 48 العدد(الخامس) 2017

19- Bushra M.J. Alwash and Sumaya F.l H. The effect of biotic and abiotic elicitors on Dianthalexin production from the callus of *Dianthus caryophyllus*.

International Journal of ChemTech Research(2017) 10 (.6) 25-30.