

**Curriculum viate**

**Personal date:**

Full name Prof. Dr. Bushra Mohammed Jabir Alwash

Date and Place of Birth 19/5/1966, Al-Hela, Babelon.

Nationality Iraqi

Occupation Instructor, Dpt. Of Biology, College of Science

 for Woman, Baghdad university.

Permanent Address Iraq, Baghdad, Al-Mansour.

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Knowledge of languages Arabic, English

Gender Female

**Qualifications:**

* Ph. D. Degre, 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:**

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|  | Phytochemical study of stigmasterol and B-sitosterol in viola odorata plant cultivated in IraqSF Alwash, B.M.and JasimIraqi Journal of Biotech 13 (2), 86-94 |
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| CYTOTOXIC AND ANTIOXIDANT ACTIVITY OF FRUIT JUICE OF ERIOBOTRYA JAPONICA (THUNB.) LIND PLANT CULIVATED IN IRAQBMJ AlwashThe Iraqi Journal of Agricultural Sciences 3 (48), 892-898 |
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| A new record of Coelastrella terrestris (Reisigl) Hegewald & n. Hanagata, 2002 (Sphaeropleales, Scenedesmaceae) in IraqA Al-Rawi, BMJ Alwash, NE Al-Essa, FM HassanBulletin of the Iraq Natural History Museum (P-ISSN: 1017-8678, E-ISSN: 2311 … |
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| Isolationof Jasmimin fromJasmine (Jasminum sambac)HMH AL-Momen, MAH Gali, BMJ AlwashIraqi Journal of Biotechnology 14 (2), 113-121 |
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| CHEMICAL COMPOSITION AND ANTIOXIDANT ACTIVITY OF Pelargonium graveolens OILSH Obeid, BM JaberIraqi Journal of Agricultural Sciences 49 (5), 811-816 |
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| EFFECT OF ESSE NTIAL OIL OF C estrum nocturnum FLOWER S CULTIVATED IN IRAQ AS ANTIOXIDANT AND ELONGATION COLD STORAGE PERIOD OF MINCED MEATK Zainb, Salman: Bushra , Alwash: EnasIraqi Journal of Agricultural Sciences 50 (2), 601 - 607 |
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| Triterpenoid Saponins Investigation and Pharmacological (Cytotoxic and Antioxidant) Properties of Bacopa monnieri L. Cultivated in IraqBMJ AlwashBaghdad Science Journal 15 (2), 123-129 |
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| response of yucca gloriosa(variegata) to tissue cultureG Abdul-Halem, BMJ Alwash, KM Ibrahimjournal of al-nahrain university science 18 (4), 103-109 |
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| THE EFFECTS OF IN OVO INJECTION BY CRUDE AND NANO-STEROIDAL EXTRACT OF THE BACOPA MONNIERI L. ON EMBRYONIC GROWTH AND SOME HATCHING TESTSMA Abdallah, SK Ahmed, BMJ AlwashPlant Archives 19 (2), 1575-1583 |
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| IMPROVEMENT OF ALKALOIDS YIELD USING PHENYLALANINE AS A PRECURSOR SUPPLEMENTED TO MORINA OLEIFERA L. CALLUS CULTURESM Huda, A Bushra, K IbrahimBiochemical and Cellular Archives 18 (1), 913-919 |  |
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| Evaluation the Effect of Growth Regulators and Explants Source on Micro Propagation of Moringa Oleifera In VitroKMI Huda E. Mahood, Bushra M. J. AlwashJournal of Global Pharma Technology 10 (7), 281-287 |  |
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| IMPACT OF DIFFERENT PLOIDY LEVELS CHANGE ON DIANTHALEXIN CONTENT IN DIANTHUS CARYOPHYLLUS L.BMJ ALWASHA, AS SATTAR, FH SUMAYAAsian Journal of Microbiology, Biotechnology & Environmental Sciences 20 (2 … |  |
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| THE EFFECT OF ALCOHOLIC EXTRACT Eriobotrya japonica LEAVES ON SOME BACTERIAL GENES AND SOME CHEMICAL AND MICROBIOLOGICAL PROPERTIES OF BEEFBMJ Alwash, NHJ Saed, SA ALqusayThe Iraqi Journal of Agricultural Science 48 (5), 1231-1238 |  |
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| The effect of biotic and abiotic elicitors on Dianthalexin production from the callus of Dianthus caryophyllusBM Alwash, SF HamadInternational Journal of ChemTech Research 10 (6), 25-30 |  |  |
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| Extraction of Iraqi Jasminum sambac (L.)Oil and Study Itʼs Effect as Antioxidant AgentsBMJAZO SalmanBaghdad Sci. J.13 (4), 631-638‎ |
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| Induction of Genetic Variation for Salt Tolerance in Tissue Culture of Capsicum annuum LBMAHE Husseinjournal of biotechnology research center 10 (1), 15-20 |  |  |
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| Efficiency of nanoliposomes loaded with chloroformic extract of Jasminum sambac or Jasminin on the growth inhibition of some cell lines, a preliminary studyHMHALM Amer T. Tawfeeq, Bushra M. J. Alwash , Mohammed A. H. GaliIraqi Journal of Cancer and Medical Genetics 9 (2), 213-221 |  |
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| Increasing the production of spilanthol in spilanthes acmella L.Murr.by using tissue culture techniquesMJ Alwash, ZH Jazar.jurnal of Biotechnology Research Centre 9 (2), 31-38 |  |
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| Study the role of auxins and sytoknins on in vitro propagation of Spilanthes acmella (L.) MurrBMJ alwash and Ansaam Z. jassimBaghdad Sci. J.11 (3), 1367-1372‎ |  |
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|  | Estimation some active compounds of grape seed extract Vitisvenifera and evaluate their effectiveness against types of pathogenic bacteriaHS Zina, M Bushra, BN Maisam, G MaisamIJST 9 (1), 124-129 |  |
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| In vitro micro propagation of Spilanthes acmella (L.) MurrMJ alwash and Ansaam Z. jassimIn vitro micro propagation of Spilanthes acmella (L.) Murr 8 (1), 55-60 |  |
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| Study of antimicrobial activity of some active secondary compounds for Viola odorata on growth for some types of bacteria .BMJAST Ahmed**Jornal of Biotechnology Research Center**5 (3), 39-44‎ |  |
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| Effect of methanolic extract for (leaves and roots) of Bacopa monnieral L.aerial plant parts on the frowth for some of bacteria and fungiBMJAAASAQMF Karomi**Jornal of Biotechnology Research Center**5 (1), 14-21‎ |  |
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| Using Traxacum officinale wigg. Extract as an alternative to some components of MS media in plant tissue culture experiments for Tomato plantMFK Bushra M. Alwash, Hadeel H. Al-MuamenAl-Kufa Journal for ِBiology 2 (1)‎ |  |  |
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| Evaluation the Effect of Growth Regulators and Explants Source on Micro Propagation of Moringa Oleifera In VitroHE Mahood, BMJ Alwash, KM Ibrahim |  |  |
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| Extraction and identification for some products of secondary metabolite on Bacopa monniera L. plant cultivated in Iraq.MJ alwashThe eleventh scientific conference of the University of Babylon ‎42-50. |  |  |
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| Improvement of nicotine production in tobacco callus by two-phase cultureMS Omar, TAAAM jabber.J. of biotechnology research 8 (1), 97-108 |  |  |
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IN VITRO STIMULATION OF ERGOSTEROL PRODUCTION FROM COELASTRELLA TERRESTRIS

ALR Altaf, FM Hassan, BMJ Alwash