

**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.

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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 Iraq](javascript:void(0))  SF Alwash, B.M.and Jasim  Iraqi 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 IRAQ](javascript:void(0))  BMJ Alwash  The 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 Iraq](javascript:void(0))  A Al-Rawi, BMJ Alwash, NE Al-Essa, FM Hassan  Bulletin of the Iraq Natural History Museum (P-ISSN: 1017-8678, E-ISSN: 2311 … |
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| [Isolationof Jasmimin fromJasmine (Jasminum sambac)](javascript:void(0))  HMH AL-Momen, MAH Gali, BMJ Alwash  Iraqi Journal of Biotechnology 14 (2), 113-121 |
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| [CHEMICAL COMPOSITION AND ANTIOXIDANT ACTIVITY OF Pelargonium graveolens OIL](javascript:void(0))  SH Obeid, BM Jaber  Iraqi 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 MEAT](javascript:void(0))  K Zainb, Salman: Bushra , Alwash: Enas  Iraqi 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 Iraq](javascript:void(0))  BMJ Alwash  Baghdad Science Journal 15 (2), 123-129 |
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| [response of yucca gloriosa(variegata) to tissue culture](javascript:void(0))  G Abdul-Halem, BMJ Alwash, KM Ibrahim  journal 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 TESTS](javascript:void(0))  MA Abdallah, SK Ahmed, BMJ Alwash  Plant Archives 19 (2), 1575-1583 |
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| [IMPROVEMENT OF ALKALOIDS YIELD USING PHENYLALANINE AS A PRECURSOR SUPPLEMENTED TO MORINA OLEIFERA L. CALLUS CULTURES](javascript:void(0))  M Huda, A Bushra, K Ibrahim  Biochemical 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 Vitro](javascript:void(0))  KMI Huda E. Mahood, Bushra M. J. Alwash  Journal 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.](javascript:void(0))  BMJ ALWASHA, AS SATTAR, FH SUMAYA  Asian 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 BEEF](javascript:void(0))  BMJ Alwash, NHJ Saed, SA ALqusay  The 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 caryophyllus](javascript:void(0))  BM Alwash, SF Hamad  International 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 Agents](javascript:void(0))  BMJAZO Salman  Baghdad Sci. J.13 (4), 631-638‎ |
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| [Induction of Genetic Variation for Salt Tolerance in Tissue Culture of Capsicum annuum L](javascript:void(0))  BMAHE Hussein  journal 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 study](javascript:void(0))  HMHALM Amer T. Tawfeeq, Bushra M. J. Alwash , Mohammed A. H. Gali  Iraqi 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 techniques](javascript:void(0))  MJ 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.) Murr](javascript:void(0))  BMJ alwash and Ansaam Z. jassim  Baghdad 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 bacteria](javascript:void(0))  HS Zina, M Bushra, BN Maisam, G Maisam  IJST 9 (1), 124-129 |  |
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| [In vitro micro propagation of Spilanthes acmella (L.) Murr](javascript:void(0))  MJ alwash and Ansaam Z. jassim  In 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 .](javascript:void(0))  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 fungi](javascript:void(0))  BMJAAASAQMF 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 plant](javascript:void(0))  MFK Bushra M. Alwash, Hadeel H. Al-Muamen  Al-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 Vitro](javascript:void(0))  HE 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.](javascript:void(0))  MJ alwash  The eleventh scientific conference of the University of Babylon ‎42-50. |  |  |
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| [Improvement of nicotine production in tobacco callus by two-phase culture](javascript:void(0))  MS Omar, TAAAM jabber.  J. of biotechnology research 8 (1), 97-108 |  |  |
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| [plant tissue culture as a source of pyredine alkaloid from nicotiana tabacum L.](javascript:void(0))  BMJ Alwash  The Fifth Scientific Agricultural Conference |  |
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| [Callus formation and production in tobacco tissue culture in three different growth media](javascript:void(0))  OBMJ Al-Ani, Tariq A.: Mobasher S  J. of biotechnology research 5 (1), 43-58 |  |  |
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[IN VITRO STIMULATION OF ERGOSTEROL PRODUCTION FROM COELASTRELLA TERRESTRIS](javascript:void(0))

ALR Altaf, FM Hassan, BMJ Alwash