<u>C.V</u>

Name: Bushra Suhale Zbar

Date Of Birth: 1/7/1974

Religion: Muslim

Martial Statues: Married

Specialization: Civil Engineering

Position: Assistance Prof.

Scientific Degree: Assistant Prof.

Work Address: University of Baghdad-College of Engineering

Mobile: 07903253683

E-Mail: albusoda@Yahoo.Com, Dr.Bushra Albusoda@Coeng.Uobaghdad.Edu.Iq

First, Scientific Certification:

Degree science	University	iversity College	
B.Sc.	Baghdad	Engineering Engineering	1 <mark>996</mark>
M.Sc.	Baghdad	Engineering Engineering	1999
Ph.D.	Baghdad	Engineering	2004

Second, Career:

No.	Career	Workplace	From -To
1	Engineer	University of Baghdad-College of Engineering	1999
2	Assistant lecturer	University of Baghdad-College of Engineering	1999-2004
3	Lecturer	University of Baghdad-College of Engineering	2004-2010
4	Assistant Professor	University of Baghdad-College of Engineering	2010-till now

Third, <u>University Teaching</u>.

No.	University	The (Institute /Dept.)	From -To
1	Baghdad	College of Engineering	1999- till now

Fourth, Courses Teach:

	Fourth, Courses Teach:					
No.	Department	Subject	Year			
1	Civil Engineering	Mathematics	2001-2002			
2	Civil Engineering	Soil Laboratory Testing	1999-2000 2001-2002 2002-2003			
3	Civil Engineering	Advanced Soil Laboratory Testing	2001-2002			
4	Civil Engineering	Foundation Engineering	2005-till now			
5	Civil Engineering	Foundation Engineering /Advanced Soil Mechanics	2007-2008			
6	Civil Engineering	Foundation Engineering /Advanced Site Investigation	2008-2009 2009-2010			
7	Civil Engineering	Foundation Engineering /Advanced Soil Laboratory Testing	2005-2006			
8	Civil Engineering	Foundation Engineering /Earth Structures/ Advanced Soil Mechanics	2006-2007 2007-2008			
9	Civil Engineering	Foundation Engineering /Selected Topics in Problematic Soils/ Earth Structures	2009-2010			
10	Civil Engineering	Foundation Engineering /Soil Models/ Selected Topics in Machine Foundation	2011-2012			
11	Civil Engineering	Foundation Engineering /Advanced Soil Mechanics/ Earth Structures	2012-2013			
12	Civil Engineering	Foundation Engineering /Advanced Soil Laboratory Testing/ Earth Structures	2013-2014			
13	Civil Engineering	Foundation Engineering/Building Construction	2014-2015			
14	Civil Engineering	Foundation Engineering /Advanced Soil Mechanics/ Earth Structures/Soil Models	2015-2016			

Fifth, Thesis Which Was Supervised by:

No.	Thesis Title	M.Sc/ Ph.D	Department	Year
1	Bearing Capacity of Shallow Footing on Soft Clay with eccentric loading	M.Sc	Civil Engineering	2007-2009
2	An Approach in Evaluating The Behavior of Dune sand Under Shallow Footing	M.Sc	Civil Engineering	2009-2010
	Simulation of Geotechnical Response to Water Flow and Pollutant Transport in Variably Saturated Soil	Ph.D	Civil Engineering	2010

3	Bearing Capacity of Shallow Footing on Compacted Dune Sand over Reinforced Gypseous Soil	M.Sc	Civil Engineering	2011-2012
4	Dynamic Response of Machine Foundation on Gypseous Soil	M.Sc	Civil Engineering	2012-2013
5	An Experimental and Theoretical Analysis of Embankment on Geogrid Reinforced Stone Columns in soft clay	Ph.D	Civil Engineering	2012-2013
6	Effect Of Wetting –Drying Cycles On The Behavior Of Piles Embedded In Expansive Soil	M.Sc	Civil Engineering	2013-2014
7	Response Of Pile Groups Subjected To Torsion	M.Sc	Civil Engineering	2013-2014
8	Performance Of Piles In Iraqi Collapsible Soil	M.Sc	Civil Engineering	2013-2014
9	The Use Of Geocell Soil Reinforcement To Improve Performance Of Buried Pipes	Ph.D	Civil Engineering	2015-2016
10	Treatment Of Expansive Soil Using Helical Piles With Additives	Ph.D	Civil Engineering	2016
11	Response Of Piled Raft Subjected To Earthquake Excitation	Ph.D	Civil Engineering	2016
12	Performance Evaluation of Piles Subjected to Lateral Loads	M.Sc	Civil Engineering	2016

Sixth, Conferences which you participated:

No.	Conferences Title	Year	Place	Type of Participation
1	Symposium of Gypseous Soil	1997	Iraqi Engineers Union	Attendance
2	Engineering. Conference for College of Engineering University of Baghdad	1998	University of Baghdad - College of Engineering	Attendance
3	Engineering. Conference for College of Military Engineering	1999	College of Military Engineering	Research
4	Symposium of Turkish Earthquake	2000	Iraqi Engineers Union	Attendance
5	Engineering. Conference for College of Engineering University of Anbar Engineering. Conference for College of Engineering	2002	University of Anbar - College of Engineering	Research
6	Engineering. Conference for College of Engineering University of Baghdad	2009	University of Baghdad - College of Engineering	Research
6	Engineering. Conference for College of Engineering University of Qadisyai	2009	University of Qadisyai - College of Engineering	Research
7	Engineering. Conference for College of Engineering University of Babel	2010	University of Babel - College of Engineering	Research
8	International Conference on Iraqi Oil Studies	2011	University of Baghdad - College of Science	Attendance

9	Engineering Conference of Comprehensive Research Theses- Al-Mustansiriya University	2012	University of AlMustansriya- College of Engineering	Research
10	The First National Conference for Engineering Sciences(with assistance of IEEE-Iraq) 7-8 Oct.2012	2012	University Al-Nahrain- College of Engineering	Attendance
11	The Third Scientific Engineering Conference College of Engineering University of Tikrit	2012	University Tikrit- College of Engineering	Research
12	The First International Conference for Geotechnical Engineering and Transportation (ICGTE 2013)	2013	University of Technology- College of Engineering	3 Researches
13	Earthquake Geotechnical Engineering from Case Histories to Practice to be Held in Istanbul, Turky 17-19 June 2013"Behaviour of Machine Foundation Resting on Collapsible Soil"	2013	Istanbul, Turky	Research
14	Collapsibility And Bearing Capacity Of Gypseous Soil After Replacement With Dune Sand Annual Conference of the Canadian Society for Civil Engineering 2013 Know-How - Savoir- Faire Montreal, Canada 29 May - 1 June 2013	2013	Faire Montreal, Canada 29 May - 1 June 2013 Volume 4 of 5 Editors: Claude Bedard Constantine J. Katsanis	Research
15	"Bounding Surface Plasticity Model Parameters for Baghdad Soils" "Paramètres du modèle de plasticité de surface de délimitation pour les sols du Bagdad"	2013	France-Parise	Research
16	World Academy of Science, Engineering and Technology International Journal of Civil, Architectural Science and Engineering Vol:8 No:1, 2014 Wetting-Drying Cycles Effect On Piles Embedded in a Very High Expansive Soil	2014	Istanbul, Turky	Research
17	Behavior Of Soft Clay Strengthened By Geogrid Encased Stone Columns Beneath Embankment	2014	University of AlMustansriya- College of Engineering	Research
18	"The second international conference on buildings, construction and environmental engineering" October 17-18, 2015 Stabilization Of Dune Sand Using Fly Ash And Cement Dust	2015	American University of Beirut	Research
19	"The 2nd Scientific Conference For Engineering Sciences" December 16-17,2015 Measurements Of Suction And Water Content During Saturation Of Compacted Expansive Soil	2015	University of Diyala- College of Engineering	Research

Seventh, Scientific Activities:

Within the College	Outside the College
Evaluation of the Instructional Courses	Evaluation the Scientific Papers
Member and/or chairman of more than (35) Examining Committees of M.Sc. and Ph.D. Students	Member and/or chairman of Examining Committee of M.Sc. and Ph.D. Students
Participated in the Scientific Committee	Participation in Engineering Conferences
Participated in the Examination Committee	Participation in Engineering Symposium
Engineering Consultant for some Engineering projects	Editor at Al-Khwarizmi Engineering Journal
Scientific Consultant for some Post Graduate Students	Reviewer for Scientific researches (local and
	International Journals)
Member of most of civil engineering department	Consultant Engineer(Geotechnical
committees	Engineering)) at Consultant Engineering
committees	Bureau CEB at University of Baghdad

Eighth, Research Projects in The Felid of Specialization to The Environment and Society or the Development of Education:

No.	Research Title	Place Of Publication	Year
1	Engineering Characteristics Of Gypseous Soils During Leaching	Journal Of Engineering	2000
2	Treatment Of Gypseous Soils During Loading	Journal Of Scientific Society	2000
3	In-Situ Determination Of The Properties Of Gypseous Soils	Iraqi Journal For Civil Engineering	2001
4	Penetration Resistance And Shear Strength Of Cohesive Soils	Tikrit Journal Of Engineering Science	2002
5	Static And Dynamic Non-Linear Soil Behavior By Bounding Surface Plasticity Model For Iraqi Soil	Journal Of Engineering Year: 2005 Volume: 11 Issue: 4 Pages: 641-654	2005
6	Treatment Of Collapsibility Of Gypseous Soil	Journal Of Engineering Year: 2008 Volume: 14 Issue: 3 Pages:	2008
7	Evaluation And Correlations Associated With Liquid Limit And Plasticity Index Of Baghdad Cohesive Soil	Proceeding Of Civil Engineering- University Of Baghdad	2009
8	Improvement Of Weak Soil By Compacted Fly Ash	Proceeding Of Civil Engineering- University Of Baghdad	2009
9	Bearing Capacity Of Shallow Footing On Soft Clay Improved By Compacted Cement	Journal Of Engineering Number 4 Volume 15 December 2009	2009
10	Engineering Behavior Of Baghdad Silty Clay By Triaxial Test	Al-Qadisyia Journal Of Engineering Science	2009
11	An Attempt To Relate Consolidation Consolidation Properties Of Baghdad Soil	Iraqi Journal For Mechanical And Engineering Material	2010
12	Statistical Estimation Of The Compressibility Of Baghdad Cohesive Soil	Journal Of Engineering Number 4 Volume 16 December 2010	2010

13	California Bearing Ratio Of Some Iraqi Dune Soil	Tikrit Journal Of Engineering Science Vol.17/No.2/June 2010, (1-8)	2010
14	Bearing Capacity Of Shallow Footing On Soft Clay Improved By Compacted Fly	Journal Of Engineering Number 6 Volume 17 December 2011	2011
15	Bearing Capacity Of Shallow Footing Resting On Dune Sand	Journal Of Engineering Number 3 Volume 18 March 2012	2012
16	Performance Of Square Footing On Iraqi Collapsible Soil	Engineering Conference Of Comprehensive Research Theses- Al- Mustansiriya University	7-8 May 2012
17	Stabilization Of Dune Sand By Using Cement Kiln Dust (CKD)	J. Of Earth Sciences And Geotechnical Engineering-International Scientific Press-2012	Vol.2 No.1 2012
18	An Attempt To Relate Consolidation Properties 'Case Study In Baghdad Soil'	International Journal Of Advances In Applied Sciences IJAAS, Vol. 2, No. 2, June 2013, Pp. 77~84	Vol.2 No.2. 2013
19	Bearing Capacity Of Shallow Footing On Compacted Dune Sand Underlain Iraqi Collapsible Soil	The First International Conference For Geotechnical Engineering And Transportation (ICGTE 2013)	2013
20	Geotechnical Properties Of Compacted Silty Clay Mixed With Different Sludge	The First International Conference For Geotechnical Engineering And Transportation (ICGTE 2013)	2013
21	Prediction Of Gypseous Soil Settlement Under Eccentric Loading On Square Footing Through Proposed Surface For Dry	The First International Conference For Geotechnical Engineering And Transportation (ICGTE 2013)	2013
22	Collapsibility And Bearing Capacity Of Gypseous Soil After Replacement With Dune Sand	Annual Conference of the Canadian Society for Civil Engineering 2013 Know-How - Savoir-Faire Montreal, Canada 29 May - 1 June 2013 Volume 4 of 5 Editors: Claude Bedard Constantine J. Katsanis	2013
23	"Bounding Surface Plasticity Model Parameters For Baghdad Soils" "Paramètres Du Modèle De Plasticité De Surface De Délimitation Pour Les Sols Du Bagdad"	Proceedings Of The 18th International Conference On Soil Mechanics And Geotechnical Engineering, Held In Paris September, 2013	Septe mber, 2013
24	"Behaviour Of Machine Foundation Resting On Collapsible Soil"	International Conference On Earthquake Geotechnical Engineering From Case Histories To Practice Held In Istanbul, Turky 17-19 June 2013.	17-19 June 2013
25	The Behaviour Of Gypseous Soil Under Vertical Vibration	Journal Of Engineering Number 1 Volume 20 January 2014	2014
26	Bearing Capacity Of Shallow Footing On Compacted Filling Dune Sand Over	Journal Of Engineering Vol.19,No.5,PP.532-542,May 2013	2013
27	Bearing Capacity Of Eccentrically Loaded Square Foundation On Compacted	J. Of Earth Sciences And Geotechnical Engineering- Vol.3,No.4,	2013
28	Wetting-Drying Cycles Effect On Piles Embedded In A Very High Expansive Soil	World Academy Of Science, Engineering And Technology, Vol.3,No.4, 2013 International Journal Of Civil,	2014

29	An Experimental Analysis Of Embankment On Stone Columns	Journal Of Engineering Number 7 Volume 20 July – 2014	2014
30	Behavior Of Soft Clay Strengthened By Geogrid Encased Stone Columns Beneath Embankment	International Conference For Engineering Sciences, Iraq Al-Mustansiriya University (26-27)/March/2014	2014
31	Effect Of Allowable Vertical Load And Length To Diameter Ratio (L/D) On Behaviour Of Pile Group Subjected To Torsion	Journal Of Engineering Number 12 Volume 20 December – 2014	2014
32	Bearing Capacity Of Bored Pile Model Constructed In Gypseous Soil	Journal Of Engineering Number 3 Volume 21 March 2015	2015
33	Stabilization Of Dune Sand Using Fly Ash And Cement Dust	"The Second International Conference On Buildings, Construction And Environmental Engineering" October 17-18, 2015 American University Of Beirut	2015
34	Measurements Of Suction And Water Content During Saturation Of Compacted Expansive Soil	"The 2 nd Scientific Conference For Engineering Sciences" December 16-17,2015 Diyala University	2015
35	An Experimental Analysis Of Embankment On Ordinary And Encased Stone Columns	ASCE's International Journal Of Geomechanics (Accepted,6,2015)	2016
36	Response Of Piles Group Subjected To Eccentric Lateral Load	Journal Of Arab Universities Union For Engineering Studies And Researches(Accepted,8,2015)	2015
37	Soil Arching Analysis In Embankments On Soft Clays Reinforced By Stone Columns	Structural Engineering And Mechanics, Vol. 56, No. 4 (2015)	2015
38	Performance Assessment Of Pile Embedded In Expansive Soil	Al-Khwarizmi Engineering Jo <mark>ur</mark> nal, (Accepted ,11,2015)	2016
39	Engineering Assessments Of Liquefaction Potential Of Baghdad Soil Under Dynamic Loading	Engineering And Development Journal (Accepted ,11,2015)	2016
40	Mitigation Of Expansive Soil Problems By Using Helical Piles With Additives	Journal Of Geotechnical Engineering Volume 2, Issue 3, 2015	2015
41	Experimental Study On The Effect Of Embedment Depth Of Buried Flexible Pipe Subjected To Static Load	Global Journal of Engineering Science and Research Management 2(12): December, 2015, ISSN 2349-4506 Impact Factor: 2.265	2015
42	Three-Dimensional Finite Element Simulation Of The Buried Pipe Problem In Geogrid Reinforced Soil	Journal Of Engineering (Accepted ,5/1/2016)	2016

2016

■ Ninth, <u>Membership</u>:

- ➤ Iraqi engineering union registration no.79527/1996.
- ➤ Iraqi scientific society of soil mechanics and foundation engineering(ISSMGE)
- ➤ International scientific society of soil mechanics and foundation engineering (ISSMFE)

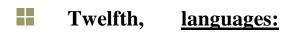
 (Membership No. IRQ0120029)

Tenth, Awards and Certificates of Appreciation:

No.	Name of Awards and Certificates	Donor	Year
1	Awards and Certificate	Head of Baghdad University	2001
2	Certificates of Appreciation	Head of Al-Qadisyia University	2009
3	Awards and Certificate	Head of Building and construction dept./University of Technology	
4	Awards and Certificate	Dean of engineering college/University of Baghdad	
5	Awards and Certificate	Head of University of Technology	
6	Awards and Certificate	Dean of engineering college/University of	
7	Awards and Certificate	Head of Baghdad University	
8	Awards and Certificate	Minister of Higher Education and Scientific Research	
9	Awards and Certificate	Dean of engineering college /Al-Mustansiriya University	
10	Awards and Certificate	Dean of engineering college /Al-Nahrain University	2015
11	Awards and Certificate	Dean of AL-Khwarizmi Engineering College	2015
12	Awards and Certificate	Head of University of Diyala 20	

Eleventh, Scientific literature:

No.	Scientific Literature Title	Year of The Publication	
1	Static and Dynamic Non-Linear Soil Behavior By The Bounding Surface Plasticity Model LAMBERT academic Publishing, Germany	ISSN 978-3-8484-1770-4 2012	



- Arabic English

