

Curriculum Vitae

Name Dillshad Khidhir Hamad Amen BZENI
Birth Date& Place: June / 1 / 1968 – Kirkuk-Iraq
Address Civil Engineering Department-
College of Engineering
University of Salahaddin –Erbil
IRAQ.
E-Mail dilshad.bzeni@su.edu.krd.
dkhamen12@gmail.com
Telephone: 009647504486419 (Mobile)
Website <https://academics.su.edu.krd/dilshad.bzeni>

Education:

<u>Degree</u>	<u>University</u>	<u>Faculty</u>	<u>Department</u>	<u>Professional</u>	<u>Date</u>
Ph.D	Baghdad	Engineering	Civil	Construction Material	March /2002
M.Sc	Baghdad	Engineering	Civil	Construction material	June / 1995
B.Sc	Salahaddin	Engineering	Civil	Civil Engineering	July / 1989

Certificates

<u>Degree</u>	<u>Taught Courses</u>
Ph.D Course	1 st Course: Advanced Concrete Technology; Computational Methods ; Ferrocement;, Deformation of Concrete 2 nd Course: Selected Subjects; Finite Element; Corrosion of concrete; Repair of Concrete; Asphalt Technology
M.Sc Course	1 st Course: Advanced Concrete Technology; Composite Materials; New Building Materials; Selected Subjects 2 nd Course: Advanced Concrete technology; Ferrocement; Selected Subjects; Ceramic Materials
B.Sc Main Subjects	Civil Engineering subjects, which include :Reinforced Concrete ; Theory of Structures and structural analysis; construction management and estimation, Transportation Engineering; Foundation Engineering and soil Mechanic, and water supply and sewerage.

Thesis presented

Ph.D: Development of Models for shrinkage and shrinkage cracking of concrete with reference to hot weather.

M.Sc: Sulfur Impregnated Clay Tiles as a Proposed Roofing Material

Occupation

Oct./1985 – July/1989	Undergraduate student	University of Salahaddin-Erbil	College of Eng. / Civil Dept.
1989 - 1992	Site Engineer	Projects Supervise building construction	Iraq
Oct./1992 – June/1995	M. Sc Student	University of Baghdad	Civil Engineering -Construction Material
Dec/1995 – Oct./1997	Assist. Lecturer	University of Salahaddin	Civil Engineering Dept.
Oct./1997- Dec./2001	Ph.D student	University of Baghdad	Civil Eng. / Construction Material
1997 – 2005	Lecturer	University of Salahaddin-Erbil	Civil Engineering Dept.
2004 - 2006	Head of software Eng. Department	University of Salahaddin	Software Eng. Dept.
2006- 2011	Senior Lecturer	University of Salahaddin	Civil Eng Department
2011-to date	Assistant Professor	University of Salahaddin	Civil Eng Department

I taught the following subjects

Post Graduate

1. Composite Material (Fiber Reinforced Concrete)
2. Ferrocement
3. Advanced Engineering Mathematics
4. Numerical Methods by Matlab

Under Graduate

1. Concrete Technology (Theory and Concrete Lab.) for more than 15 years for 2nd year
2. Engineering Analysis and mathematics for 3rd year students
3. Building Materials & Testing
4. Mathematics for 1st and 2nd year
5. Civil Drawing, for 4th year
6. Computer Basics and Application for 1st year

Consultancy works

1. Concrete Mix Design for different projects in ERBIL
2. Assessment and Repair of damaged Concrete structures
3. Contribution for revitalization and rehabilitation of Erbil Citadel Building
4. Testing strength of rebars by pullout testing device in concrete
5. Testing concrete and its ingredients in laboratory

Areas of major Interest for research

1. Advances in Concrete Technology such as Fiber cement and Fiber concrete
2. Shrinkage , creep and shrinkage cracking of concrete
3. Special types of concrete such as: Porous concrete , Self consolidating concrete , high strength concrete and light weight concrete.
4. Repair and strengthening of damaged concrete structures.
5. Computer Programs [Matlab, , Auto Cad , SPSS , M.S Excel , M.S Word]

Awards and certificates

6. Certificate of completion from Matsumae international Foundation for a period of 6 month, from July / 2006 to Jan / 2007 working as a researcher in the university of Tokyo-Architectural Department-Building material Engineering Lab.
Host supervisor : Associat Prof. Takafumi Noguchi
7. Awards from the UNISCO for making the research in the University of Salahaddin 2005
8. Master Certificate participating in the World of Concrete, certificate in (Concrete Repair) , held in Las Vegas –USA , 1-5 /Feb./ 2010.
9. Certificate of completion, Fiber reinforced concrete , Introduction, testing and design and Application” Awarded by ACI e-learning
10. Certificate of completion , Cementitious Materials for Concrete (Part 1) Awarded by ACI continuing education
11. Certificate of completion, Chemical Admixtures for concrete Part 2 awarded by ACI continuing education
12. Certificate of completion : Getting to the core of core testing awarded by ACI continuing education

Membership

1. Iraqi Engineering Union and Kurdistan Engineering Union,
2. ACI (American Concrete Institute) and reviewer

Publications

1. . **Amen, D. K. H**, Yaseen, S. A. , Ihsan, M.A. ,” Shape and Size Effect of standard testing specimens on the compressive strength of Self Compacting Concrete”, Submitted Scientific Journal (Zanko) of Salahaddin University.
2. S. A. Yaseen, M.A. Ihsan, , **D.K.H. Amen**” Effect of curing types on the strength of High Strength Self Compacting Concrete”, (Zanko Journal) of Salahaddin University, 2017
3. R, R. Abdulmajeed, **D. K. H. Amen**, N.K. Hasan, “ Comparative analysis of the rebound hammer and ultrasonic pulse velocity in testing concrete with multi-variation equation, International Review of CivilEngineering Journal (IRECE), ISSN 2306-9913, Vol, 7, No. 6, November 2016.
4. K.M. Sadiq, **D.K.H. Bzeni**, F.U.A.Shaikh, “ Deflection hardening behavior of jut strands reinforced lightweight cementitious composite” ,ScienceDirect, Construction and Building materials, Vol. 96, 15 October, 2015, pages 102-111.
5. **D.K.H. Amen**, M.A. Ihsan , “ Estimating compressive Strength of Self compacted concrete using non-destructive combined method, Proceedings of Sustainable construction materials and testing: SCMT3 conference , 18-21 August, Kyoto-Japan , 2013,
6. **D.K.H. Amen**, A.H. Mohammad, R. Rasheed, “Porosity, Pore size distribution and permeability of Porous Concrete Using Image Analysis” , International symposium of FIB : Concrete Structures for Sustainable Community , held in Stockholm 11 – 14 June 2012.
7. **D.K. H. Amen**, “Degree of hydration and strength development of low w/c ratios in silica fume cement system”, International Journal of Civil and Environmental Engineering IJCEE” Vol. 11 issue 5 , 2011, pp. 10-16.
8. **D. K. H. Amen**, “Flexural behavior and cracking resistance of Jute fiber ropes reinforced mortar” Zanko Scientific journal-University of Salahaddin-Erbil ,2011
9. **D.K.H. Amen , Y. I**, “ An Experimental Investigation to Produce Bricks From Local Soils for Rehabilitation and Revitalization of Erbil Citadel Buildings. 4th international conference of the University of Salahaddin, 18 -21 Oct. 2011
10. **D.K.H.Amen**, K.Nemati , T. Noguchi “ degree of hydration and chemical shrinkage of high performance cement paste using Artificial Neural Network” cement and concrete research in Progress
11. **D.K.H. Amen** , T. Noguchi “Study shrinkage behavior of SFRC restrained members exposed to hot climate” Proceedings of the eighth international conference on creep, shrinkage and durability of concrete and concrete structures, Ise-Shima, JAPAN, 30 Sept.-2 Oct. 2008

12. Jalal A. Saeed , Ahmad H. Muhammad and **Dillshad K. H. Amen** , “Properties of High Strength Concrete Using Locally Available Low-cost Materials” ZANKO scientific Journal, Vol.2 , No.3, 2007, pp.123-129
13. **D.K.H. Amen** , R.S. Al-Rawi “prediction models for shrinkage – time relation of concrete under variable ambient conditions , International RILEM Workshop on performance based evaluation and indicators of concrete durability” held in Spain-Madrid-19-21 March /2006 pp. 185 – 194
14. **Amen , D.K.H.** Al-Lashi R.S., Al-Rawi R.S. “Prediction model for the final shrinkage of concrete using Artificial neural network, “ 2nd International FIB congress held in Naples –Italy , 5 – 8 June 2006 .
15. **D.K.H. Amen** , R.S. Al-Rawi, “Development of model for shrinkage cracking of end-restraint and base-restraint concrete members” Engineering scientific Journal, No. 31-2005 Building Academy of Ukraine , *Kharkov*, Kharkov State technical University of Building and Architecture, pp. 244- 256.
16. **D.K.H. Amen**, R.S. Al-Rawi, “ Development of graphical and statistical model for ultimate shrinkage of concrete “ 35th international conference on computer and Industrial engineering” held in Istanbul in 19-22 June , 2005. pp. 129 – 134
17. Dilshad K. Jaf. And **Dillshad kh. Amen**. “Partial replacement of cement by local materials from Iraqi-Kurdistan Region. Proceedings in Journal of Duhok University (JDU), Vol. 2 Number 5, September 1999, Duhok University–Kurdistan-Iraq,Pages717–734 .
18. Adel Al-hadithy , **Dillshad . Kh. Amen** , “ Sulfur impregnated clay tiles as a proposed roofing materials, Engineering and technology Journal, Vol. 16 , No. 7 , 1997 University of technology –Baghdad-Iraq, pp. 479 – 494