

## **CURRICULUM VITA**

**NAME:** Khalid Rassim Mahmood Al-Janabi

**CURRENT ACADEMIC RANK:** Assistant Professor

**DEGREES WITH FIELDS, INSTITUTION, AND DATE:**

Ph. D. Geotechnical Engineering, University of Technology, 2006

**Thesis: “LABORATORY LEACHING PROCESS MODELING IN GYPSEOUS SOILS USING ARTIFICIAL NEURAL NETWORK (ANN)”**

M.S. Civil Engineering, Baghdad University, 1989

**Thesis: “THE EFFECT OF REPEATED LOADING ON THE BEHAVIOR OF UNDER-REAMED PILES IN SAND”**

B.S. Civil Engineering, Baghdad University, 1984

**NUMBER OF YEARS OF SERVICE ON THIS FACULTY: 24**

**DATE OF ORIGINAL APPOINTMENT: 1991**

**DATES OF ADVANCEMENT IN RANK:**

2008 Promoted to Assistant Professor

2000 Promoted to Lecturer

1991 Appointed Assistant Lecturer



**OTHER PROFESSIONAL INDUSTRIAL EXPERIENCE:**

2008 - Present, Assistant Professor, University of Anbar Civil Engineering Department

2003 Head of Civil Engineering Department

2000 - 2008, Lecturer, University of Anbar Civil Engineering Department

1991 – 2000, Assistant Lecturer, University of Anbar Civil Engineering Department

**CONSULTING, PATENTS, ETC.:**

1991- Present, Engineering Consultant Bureau Anbar University-Anbar Province-Ramadi

**PRINCIPAL PUBLICATIONS:**

- Al-Mosawe, M.J. and Mahmood, K.R.(1993) “The performance of under-reamed subjected to repeated loading”, proceeding of the first scientific conference - Tikrit University
- Mahmood, K.R.(2000) “The characteristics of an Iraqi soil under repeated loading”, Journal of Engineering and development-Vol.4 Issue 2
- Al-Ani Z.N. and Mahmood, K.R.(2000) “Suggestion an application of Expert System for selecting piles driving methods and equipment for Iraqi construction project”, Journal of Engineering and development-Vol.4 Issue 2

- Mahmood, K.R. and Al-Hadithi A.I.A. (2008) “Modeling of polymer modified-concrete strength with artificial neural networks”, Iraqi Journal of Civil Engineering-Eight year- Issue 10
- Mahmood, K.R.(2008) “Prediction of ultimate bearing capacity of shallow foundations on cohesionless soils using back propagation neural networks (BPNN)”, Iraqi Journal of Civil Engineering-Eight year-Issue 12
- Mahmood, K.R. and Abdul Kareem A.H. (2010) “Nature of Soil-Water Characteristics Curves (SWCC) for Soils from Anbar Governorate” Anbar Journal for Engineering Sciences Vol.3 No.1
- Mahmood, K.R. and Juneid Aziz (2011) “Using Artificial Neural Networks for Evaluation of Collapse Potential of Some Iraqi Gypseous Soils” Iraqi Journal of Civil Engineering-Vol. 7 No.1
- Fattah M. Y., Mahmood, K.R., Muhyee M. M., (2011) “Finite Element Simulation of the Bearing Capacity of an Unsaturated Coarse-Grained Soil” Iraqi Journal of Civil Engineering-Vol.(8) No.1
- Mahmood, K.R., Mustafa, A.S. Muhammed A.S. , (2012) “ Application of Artificial Neural Networks to Fprecast the Release Water from Haditha Dam” Special Issue of Engineering and Development Journal
- Fattah M. Y., Mahmood, K.R., Muhyee M. M., (2013) “Simulation of Unsaturated Soil Behavior by the Finite Element Method” International Review of Civil Engineering (IRECE) Vol.4 No.1
- Majeed A.H., Mahmood, K.R., Jepur A.A. (2013) “Simulation of Hyperbolic Stress-Strain Parameters of Soils Using Artificial Neural Networks” proceeding of the International Conference on Geotechnical Engineering. Tunis

## **MSc. THESE UNDER MY SUPERVISION**

- A Finite Element Simulation of the Behavior of Unsaturated Soil – University of Anbar – 2010
- Using Artificial Neural Networks for Evaluation of Collapse Potential of Some Iraqi Gypseous Soils – University of Anbar – 2010
- Predicting Hyperbolic Stress-Strain Relationship Parameters of Soils by Using Artificial Neural Network – Al-Mustansiriy University - 2011
- Artificial Neural Network Models for Haditha Reservoir Inflow and Operation – University of Anbar – Civil Engineering Department - 2012

## **PROFESSIONAL EXPERIENCE**

Al Anbar University

**Assistant Professor** – “classes lectured.”

**2008-till now**

- Postgraduate studies
  - Advanced Soil Mechanics
  - Advanced Foundation Engineering
  - Advanced Engineering Mathematics
  - Finite Element
  - Seepage through Porous Media
  - Advanced Soil Engineering
- Undergraduate studies
  - Soil Mechanics-third year
  - Foundation Engineering -Fourth year

**Lecturer** – “classes lectured.”

**2000-2008**

- Undergraduate studies
  - Soil Mechanics-third year
  - Foundation Engineering-fourth year

**Assistant Lecturer** – “classes lectured.”

**1991-2000**

- Undergraduate studies
  - Engineering Mechanics-first year
  - Programming-first year
  - Building Construction-second year
  - Soil Mechanics-third year
  - Foundation Engineering-fourth year
  - Construction methods and Estimation-fourth year

## **SCIENTIFIC AND PROFESSIONAL SOCIETY MEMBERSHIPS:**

International Society of Soil Mechanics and Geotechnical Engineering-ISSMGE

Iraqi Scientific Society of Soil Mechanics and Foundation Engineering-ISSSMFE

Iraqi Engineering Association

Teachers ' Union

Member of Editorial Board of Al Anbar Journal for Engineering