

CURRICULUM VITE

1. PERSONAL DATA:

NAME : Ihssan Abdulkareem Abdulhussain
NATIONALITY : Iraq
DATE OF BIRTH : 8/8/1962
PLACE OF BIRTH: Basrah-Iraq
SEX : Male
MARTIAL STATUS : Married
SCIENTIFIC TITLE : Assistant Prof.
PRESENT ADDRESS: Department of Environmental & Pollution Engineering
Engineering Technical College / Basrah, Southern Technical University
BASRAH- IRAQ

E-MAIL ADDRESS : drengihssan@yahoo.com

2. ACADEMIC QUALIFICATIONS:

1980-1984:

The University of Basrah, BASRAH-IRAQ.
Received the B. SC Degree in Civil Engineering

1987-1989:

The University of Basrah, BASRAH-IRAQ.
Received the M. SC Degree in Civil Engineering (Hydraulic Structures)
The Thesis Title was:
" Seepage Control Analysis below Hydraulic Structures Applying
Finite Element Method".

2000-2004:

Research Scholar, Deptt. Of Civil Engrg., I.I.T Roorkee, ROORKEE 247 667
Uttaranchal- INDIA.

The Thesis Title is:
"Seepage Analysis Aided Optimal Design of Homogeneous Earth Dams"

3. TEACHING/ RESEARCH:

1993-1997:

Assistant Lecturer, Deptt. of Surveying, Technical Institute of Basrah

1997-2000:

Head of Civil Deptt., Technical Institute of Basrah

2000-2004:

Research Scholar, Deptt. of Civil Engrg., I.I.T Roorkee, ROORKEE 247 667,
India
Uttaranchal- INDIA

2004-2008:

Lecturer, Civil Deptt., Technical Institute of Basrah

2008-2011:

Head of Envir. & Pollution Engrg. Deptt., Engineering Technical College/
Basrah

2011-Till Date:

Dean Assistant for Scientific Affairs & higher Education, Engineering
Technical College/ Basrah

4. PUBLICATION:

1. Abdul Hussain, I. A., Ijam, A.Z (1994). " The significant of the trench drains below hydraulic structures." J. Engrg. and Technology, Vol.13, No. 2.
2. Abdul Hussain, I. A. (1997). " Average uplift pressure and exit gradient computation for Hollow gravity dams." The 4th Basrah Engrg. Conf., March11-12.
3. Abdul Hussain, I. A., Hari Prasad, K. S. and Kashyap, D. (2001). " A Variable saturated numerical model for analysis of seepage through earth dams" NSFMFP, Dec.12-14, Roorkee, India.
4. Abdul Hussain, I. A., Hari Prasad, K. S. and Kashyap, D. (2004). " Modeling Pore Water Pressure Distribution in an Earthen Dam and Evaluation of its Slope Stability." J. Dam Engineering, Vol. XV, Issue 3, U.K
5. Sekhar, K. R., Abdul Hussain, I. A. and Hari Prasad, K. S. (2004). " Applicability of Linearized Unsaturated Flow Model under Uncertainty Hydraulic Properties" Int. Conf. Hydr. Engrg.: Resear.& Practice, Oct.26-28, Roorkee, India.
6. Siddappa, G., Hari Prasad, K.S, Ojha, C.S.P, Abdul Hussain, I.A and Bahargava, P. (2006). " Transient Seepage Analysis of an Earth Dam: Sensitivity to Anisotropy and Soil Properties" J. Dam Engineering, Vol.XVI, Issue 4, U.K
7. Hari Prasad, K.S, Abdul Hussain, I.A and Singh, J. (2007). " A Finite Element Numerical Model for Unsaturated Flow in Layerd Soils" Int. J. Water and Energy, Vol. 64, No. 4, India
8. Abdul Hussain, I. A., Kashyap, D. and Hari Prasad, K. S. (2007). " Seepage Modeling Assisted Optimal Design of a Homogeneous Earth dam: Procedure Evolution." J. Irrigation and Drainage, ASCE, Vol.133, No. 2, U.S
9. Abdul Hussain, I. A., Hamid, M.A and Diwan, A.A (2009). " Effects of Soil Properties on Time of Saturation in Earth Dams." Al-Taqani J., Engineering Researches, V.22, N0.3, Iraq
10. Abdul Hussain, I. A. (2011). Pore Water Pressure Ratio Estimation of an Earthen Dam: Sensitivity to Soil Properties." J. of Dam Engineering, vol.XXII, Issue 1, U.K.
11. Abdulhussain, I.A., Zahei, A.O. and Dakhil, R.M. (2011). Determination of Heavy Metals Concentration in Drinking Water from Different Sources of Basrah City." J. of Akufa Engrg., vol.2, No.2, Iraq

5. ACCEPTED TECHNICAL PAPER :

1. Al-Shemari, H. M, Abdul Hussain, I.A (2011). "Study the Effect of Baghdad City on the Tigris River Water Pollution ".Basrah J. of Engineering Science, University of Basrah, Basrah, Iraq

6. RESEARCH INTERESTS:

- Seepage analysis aided optimal design of earth dam
- Optimal design of wastewater treatment plants
- Optimal design of water treatment plants
- Seepage analysis below hydraulic structures
- Water flow and solute transport process in spatially and temporally variable fields
- Slope stability analysis
- Water flow and solute transport in multi-dimensional variably saturated media
- Numerical modeling of flow transport in porous media
- Soil and ground water contamination

7. TEACHING:

- Hydraulic Structures (Graduate/Undergraduate level)
- Embankment Dams (Graduate level)
- Water Pollution Control (Undergraduate level)
- Fluid Mechanics (Graduate/Undergraduate level)
- Advanced Ground water Hydraulics and Hydrology (Graduate level)
- Modeling and Simulations (Graduate level)
- Engineering System (Graduate/Undergraduate level)
- Irrigation and Drainage (Graduate/Undergraduate level)
- Visual Basic(Undergraduate level)

8. TRAINING COURSES:

- Employer and community engagement quality assurance developing vision, Feb., 2009, Istanbul, Turkey
- Quality Assurance of Building Materials, July., 2010, Cairo, Egypt
- Calibration & Operation of Construction Testing Machine, Sept., 2014, Bergamo, Italy
- Many training courses for the scientific staff and civil engineers as organizer and lecturer

9. DESIGN EXPERIENCE:

- Design of storm sewer system and PS of Sabkhat Al-Arab district
- Hydraulic design of storm sewer system, wastewater sewer system, PS, Forcemain and wastewater treatment plant of the following districts: Al-Qurna, Al-Deear, Al-Nashwa, Al-Imam AlQaim, Al-Zubaer, Umm Qaser and Safwan
- Hydraulic design of Abu-Al Khasseb water treatment plant
- Preparation of several Environmental Impact Assessment (EIA) reports