

# Curriculum Vitae

## 1. Contact Information

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**Dr. Ziyad A. Khaudhair**

Department of Civil Engineering

College of Engineering

Muthanna University

Samawa-66001

**Iraq**

E-mail: ziyadkubba@mu.edu.iq

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ziyadakk@yahoo.com



## 2. Personal Information

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Date and place of birth: Sep. 13, 1978, Muthanna, Iraq

Gender: Male

Marital status: Married with three kids

Nationality: Iraqi

## 3. Academic Qualifications

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*Indian Institute of Technology, Roorkee (IIT Roorkee)*

Department of Civil Engineering

PhD. In Civil Engineering

October, 2014

Project: Structural Behaviour of Recycled Concrete Filled Steel Tubular Columns

*University of Technology, Baghdad*

Building and Construction Engineering Department

M.Sc. in Water Resources Engineering, Hydraulic Structures

January, 2005

*University of Mustansiriyah, Baghdad*

College of Engineering,

Department of Civil Engineering

B.Sc.in Civil Engineering,

June, 2000

#### **4. Experience**

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- **College of Engineering**  
**Al-Muthanna University**  
**June, 2016 – Present**  
Position: Scientific Associate Dean
  
- **Department of Civil Engineering**  
**College of Engineering**  
**Al-Muthanna University**  
**July, 2007 – Present**  
Position: Lecturer  
Course taught:
  - CE401-Design of Steel Structures
  - CE-301 Theory of Structures
  - CE-102 Engineering Mechanics
  - Engineering Projects
  
- **Bureau of Scientific & Consultancy Services**  
**College of Engineering**  
**Al-Muthanna University**  
**2007 – Present** (Excluding PhD study leave)  
Position: Consultant Engineer  
Projects:
  - Design of several multi-storeyed buildings in different places in Iraq
  - Structural design of multi-cell (20 cell) water filter (80\*60\*6 m)
  - Structural assessment of Chimney structures of **Samawa Cement Factory**
  - Field Laboratory Manager, Location 10 Project, Muthanna, **LUK Oil**
  - Consultant project for proposed landfill place, Majnon Oil Field, **Shell Iraq Petroleum**
  
- **Department of Physics**  
**College of Science**  
**Al-Muthanna University**  
**Jan., 2006 – July 2007**  
Position: Assistant Lecturer  
Course taught:
  - Computer Applications
  - Environmental Pollution

## 5. Skills

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- Analysis and design of multi-storeyed buildings
- Analysis and design of liquid retaining structures
- Computer skills including reporting and CAD skills

## 6. List of Publications:

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### *International Journals*

1. Gupta, P.K., **Khaudhair, Ziyad A.**, and Ahuja, A.K. A New Method for Proportioning Recycled Concrete. Structural Concrete, Wiley Sons Publisher, UK, In Press, August 2015 [DOI: 10.1002/suco.201400076].
2. Gupta, P.K., Verma, V.K., **Khaudhair, Ziyad A.**; Singh, H. and Ahuja, A.K. Effect of tube area on the behaviour of concrete filled tubular columns. Computers and Concrete, Techno Press, Vol.15, No.2, February 2015. pp.141-166
3. Gupta, P.K., **Khaudhair, Ziyad A.**, and Ahuja, A.K. Modeling, verifications, and investigation on behaviour of circular CFST columns. Structural Concrete, Wiley Sons Publisher, UK, Vol. 15, No. 3, 2014, pp. 340-349.
4. Gupta, P.K., **Khaudhair, Ziyad A.**, and Ahuja, A. K. Computational study on performance of Circular Concrete Filled Steel Tubular (CCFST) columns. International Journal of Structural Engineering, Inderscience Publisher, UK, 5(1), pp. 76-91.
5. **Khaudhair, Ziyad A.**, Gupta, P.K., and Ahuja, A.K. Parametric investigations on behaviour of square CFST columns. International Journal Of Scientific and Engineering Research, Houston, USA, Vol. 4, No. 5, 2013, pp. 107-110.
6. Gupta, P.K., Verma, V.K., Singh, H., **Khaudhair, Ziyad. A.**, & Ajay, N. (2013). Ductility and energy absorbing capacity of concrete filled UPVC tubes. International Journal of Construction Material and Structures, 1(1), pp.1-10.

### *Conferences*

1. Gupta, P.K., **Khaudhair, Ziyad A.**, and Ahuja, A.K. A study on load carrying capacity and behaviour of concrete filled steel tubular members subjected to axial compression. In the 11th International Conference on Concrete Engineering and Technology 2012 (Putrajaya, Malaysia 2012), CONCET 2012, pp.337-342.

2. Gupta, P.K., ***Khaudhair, Ziyad A.***, and Ahuja, A.K. 3D Numerical simulation of concrete filled steel tubular columns using ANSYS. In Innovations in Concrete Constructions (Jalandhar, India 2013), Concrete Congress, UKIERI, pp.2262-2271.
3. ***Khaudhair, Ziyad A.***, Gupta, P.K., and Ahuja, A.K. Modeling and Simulation of Composite Steel-Concrete Columns for High Rise Buildings. In National Conference on Emerging Trends of Energy Conservation in Buildings (Roorkee-India 2012), CSIR-Central Building Research Institute, pp.352-359.
4. ***Khaudhair, Ziyad A.***, Gupta, P.K., and Ahuja, A.K. Analytical investigation of Axially Loaded Concrete Filled Steel Tubular Columns. In 8th Biennial Conference on Structural Engineering Convention , Applied Mechanics Department, S.V. National Institute of Technology, Surat-395 007, Gujarat, India, pp.713-719.
5. Gupta, P.K., ***Khaudhair, Ziyad A.***, and Ahuja, A.K. Efficiency of steel tube and concrete core in circular and square concrete filled steel tubular columns. The 5th Asia and Pacific Young Researchers and Graduates Symposium on Current Challenges in Structural Engineering, Department of Civil Engineering, Malaviya National Institute of Technology, Jaipur, 2013, pp 60-69
6. ***Khaudhair, Ziyad A.***, Gupta, P.K., and Ahuja, A.K. Passive Confinement to Enhance Ductility and Compressibility of Concrete. In Twenty-eighth NCCE and National Seminar on Role of Infrastructure for Sustainable Development (Roorkee 2012), The Institution of Engineers (India), Roorkee Local Centre, IIT Roorkee Campus, pp.386-392.