

# Curriculum Vitae

## PERSONAL INFORMATION



### Belal Almassri

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 [https://www.researchgate.net/profile/Belal\\_Almassri](https://www.researchgate.net/profile/Belal_Almassri)

Sex Male | Date of birth 06/12/1988 | Nationality Palestinian | Marital Status Married

## RESEARCH INTERESTS

**Structural Engineering, Rehabilitation of Reinforced Concrete Structures, Corroded RC Structures, Finite Element Modeling and Composite Materials.**

## WORK EXPERIENCE

01/09/2015–Present

### Assistant Professor

**Palestine Polytechnic University, Hebron (Palestinian Territories)**

*Assistant Professor of Civil & Arch. Engineering Department*

- Teaching courses in the BSc program of Building Engineering : Steel structures, reinforced concrete design, structural analysis courses, mechanics of materials and building construction.
- Supervising many graduation projects.
- Participating in several administrative developing positions at this department.

01/09/2014–01/11/2014

### Visiting Scholar

**University of Minho, Guimaraes (Portugal)**

- An academic exchange program funded by the French Government.
- A collaboration with Professor J. Barros “ A world known specialist in the reinforced concrete structures area”.

01/10/2012–01/08/2015

### Teaching & Research Assistant

**INSA de Toulouse, Toulouse (France)**

- Teaching Assistant for several discussions and labs : Reinforced concrete lab, mechanics of materials lab and engineering statics discussion.
- Assisting in different experimental tests.

01/10/2011–01/06/2012

### Lecturer

**Islamic University of Gaza, Gaza (Palestinian Territories)**

*Lecturer of Civil Engineering Department*

- Lecturer of civil engineering courses : Engineering statics, mechanics of materials and structural analysis.

01/01/2011–01/09/2011

### Research Assistant

**Centre for Sustainable Environment; University of Bradford, Bradford (United Kingdom)**

- Assisting in research projects related to Civil and Structural Engineering PhD students.

03/02/2010–01/07/2010

### Teaching Assistant

**Islamic University of Gaza, Gaza (Palestinian Territories)**

*Teaching Assistant of Civil Engineering Department*

- Teaching Assistant for several discussions : Mechanics of materials, structural analysis and reinforced concrete design.
- Assessing exams, reports and HWs.

## EDUCATION AND TRAINING

**01/10/2012–04/06/2015 PhD in Civil and Structural Engineering****University of Toulouse, INSA de Toulouse, Toulouse (France)**

- PhD thesis title : Strengthening of corroded reinforced concrete (RC) beams with near surface mounted (NSM) technique using carbon fiber polymer (CFRP) rods : an experimental and finite element (FE) modeling study.

**01/10/2010–01/10/2011 MSc in Civil and Structural Engineering****Bradford University, Bradford (United Kingdom)**

- Advanced courses in structural analysis, reinforced concrete and steel structure's design based on Euro Code (EC) and advanced courses in structural vibrations (structural dynamics).

- Master thesis title: Numerical simulation analysis of dam breaks using ISIS & HEC-RAS.

**01/09/2005–02/02/2010 BSc in Civil Engineering****Islamic University of Gaza, Gaza (Palestinian Territories)**

- Basics of structural mechanics , fluid mechanics and transportation engineering courses.

- Surveying and roads engineering courses.

- Reinforced concrete design courses based on the American code (ACI).

- Steel structures design course based on the American code (AISC).

- Graduation project title: Information Technology in Gaza Strip Construction Industry

## PERSONAL SKILLS

Mother tongue(s) **Arabic**

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
<b>English</b>	C1	C2	C1	C1	C2
<b>French</b>	B1	B1	B2	B2	B1
<b>Portuguese</b>	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Based on Common European Framework of Reference for Languages

**Software / Computer Program skill(s)** - Very good in using different structural engineering design commercial software: AnSYS, Autodesk Robot, STAAD, SAP, SAFE, ETABS, PROKON, Abaqus  
- Other software/programs : MatLab, MS Office, LaTeX, C# Visual Basic.

**Managerial skill(s) / Memberships** - Affiliate member of American Society of Civil Engineers ASCE.  
- Member of Engineers Association – Palestine.  
- Student Adviser for ASCE Student Chapter at Palestine Polytechnic University.  
- Member of Structural Engineering Research group, UMINHO, Portugal.  
- Member of ABET committee for Building Engineering Program, PPU, Palestine.  
- Reviewer of The Journal of Measurement “Elsevier”.  
- Reviewer of The Journal of Engineering Research.

**Other skill(s)** - Good time management skills.  
- Interaction skills.  
- Working under pressure skills.

**Driving License(s)** - Valid Palestinian driving license. (Private Vehicle) Type B (according to Euro Standards)  
- Valid International driving license. (Private Vehicle) Type B (according to Euro Standards)

## ADDITIONAL INFORMATION

- Honors and awards**
- International Academic Mobility Scholarship, 2014, University of Minho, Portugal.
  - International Academic Excellence Scholarship, 2010, University of Bradford, UK.
  - French Government Scholarship, PhD grant, Sept 2012, France.
  - Excellence Scholarship, Islamic University of Gaza, 2007-2010, Palestine.
  - First Class Honor Award, Dec 2012, University of Bradford, UK.
  - Best Graduation Project Award, June 2010, Islamic University of Gaza, Palestine.

**Publications International Journals “Scopus” - Q1 – Journal articles:**

Almassri B, Halahla A, Corroded RC beam Repaired in Flexure Using NSM CFRP rod and an External Steel Plate. *Structures*. 2020; 27: 343-351

Abdallah M, Al Mahmoud F, Khelil A, Mercier J, Almassri B. Assessment of the flexural behavior of continuous RC beams strengthening with NSM-FRP bars, Experimental and analytical study. *Composite Structures*. 2020: 112127.

Almassri B, Al Mahmoud F, Francois R. Behaviour of corroded reinforced concrete beams repaired with NSM CFRP rods, experimental and finite element study. *Composites Part B: Engineering*. 2016 May 1; 92:477-88.

Almassri B, Barros JA, Al Mahmoud F, Francois R. A FEM-based model to study the behaviour of corroded RC beams shear-repaired by NSM CFRP rods technique. *Composite Structures*. 2015 Nov 1;131:731-41.

Almassri B, Kreit A, Al Mahmoud F, Francois R. Behaviour of corroded shear-critical reinforced concrete beams repaired with NSM CFRP rods. *Composite Structures*. 2015 May 1;123:204-15.

Almassri B, Kreit A, Al Mahmoud F, François R. Mechanical behaviour of corroded RC beams strengthened by NSM CFRP rods. *Composites Part B: Engineering*. 2014 Aug 1;64:97-107.

**International Conferences:**

Almassri B, Almahmoud F, Francois R. A Finite Element Model to Study the Behaviour of Corroded Reinforced Concrete Beams Repaired with Near Surface Mounted technique. IRC: 20th International Conference on Civil and Urban Engineering ICCUE 2018–Paris 25th-26th June.

Almassri B, Barros JA. Al-Mahmoud F, François R, A FEM-based model to study the behaviour of corroded RC beams shear repaired by NSM CFRP rods technique; International Conference on Advances in Composite Materials and Structures, Istanbul, Turkey; 04/2015.

Almassri B, Barros JA. Al-Mahmoud F, François R, Etude du comportement mécanique des poutres corrodées réparées à l'effort tranchant par l'insertion des joncs de carbone.; Regroupement Francophone pour la Recherche et la Formation sur le Béton, RF2B, Lausanne, Switzerland; 07/2015.

Almassri B, Kreit A, Al Mahmoud F, François R. Mechanical Behavior of Corroded RC Beams Strengthened by NSM CFRP Rods ICSE, 2015: XIII International Conference on Structural Engineering, At Rome, Italy.

Almassri B, Kreit A, Al Mahmoud F, François R. Study on behaviour of corroded RC beams repaired in shear with NSM CFRP rods. *Chemistry and Materials Research 5 Special Issue for International Congress on Materials & Structural Stability*, Rabat, Morocco, 27-30th of November 2013.

**References**

**Raoul Francois**, Full professor at the University of Toulouse, France.  
[raoul.francois@insa-toulouse.fr](mailto:raoul.francois@insa-toulouse.fr); 135 Avenue de Ranguel 31400 Toulouse-France,  
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**Joaquim Barros**, Full professor at the University of Minho, Portugal.  
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