



MOHAMMED KADHIM HALOOB ALMAJDI

Personal Data:

Phone No: 009647834417779/ 009647822595655
Date of Birth: 19/6/1987
Nationality: Iraqi- Basrah- Arab Gulf district.
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Academic Qualification:

2013-2017

University of Brighton- UK

- **PHD student in Structural engineering**

Research Field: Geopolymer technology
Supervisors: Dr Andreas Lampropoulos
Prof Andrew Cundy
Dr Pierfrancesco Cacciola

Thesis Title: Development of fibre reinforced geopolymer (FRGC) cured under ambient temperature for strengthening and repair of existing structures

2010-2011

Universiti Sains Malaysia

- **Master of Structural engineering**

Research Field: concrete technology
Supervisors: Prof. Megat Azmi Megat Johari
Thesis Title: Effect of elevated temperatures on concrete containing Rice Husk Ash
GPA: 3.4/4

2005-2009

University of Basrah

- **Bachelor degree in civil engineering**

Dissertation project: Design and analysis Multi story building
CGPA: 68.913%

2000-2005

- **AL-Mutawra high school**

Mathematics: 98% Biology: 84% Chemistry: 77% Physics: 100%

Work Experience:

2008: I worked as a civil engineer in the province of Basra during the training of the college for 3 months on summer application

July 2009- Feb 2010: I worked as a civil engineer in al Basra airport with albarq international company for about six months.

July 2011-Jan 2013: As a Field Engineer in the field engineering department (Pipeline and mechanical construction contract with ENI) with the main responsibilities are:

- Perform site visits for the candidate sites to assess the construction progress and report to the involved department.
- Prepare the as built sketches and quantity survey for the completed sites.

October 2017- Nov. 2018: As Project Manager on TAAM engineering company which is a permanent local contractor with British petroleum company, Eni company to do Oil flow lines, manifold installation and Oil tanks installation.

- Plan and monitor work activities of pipeline construction, well head fabrication and installation and DGS tie in.
- Prepare construction details documents for the contractor.
- Organize & Plan the field work by preparing time and cost schedules.
- Conduct meeting with the customer (ZFOD) to discuss the work progress and related issues.

Nov. 2018- Present: as a Lecturer in Civil Engineering at the University of Basrah for Oil and Gas.

Academic Events:

- I. Oral presentation Brighton Doctoral College Research Student conference 2014, UK.
- II. Poster presentation in Geopolymer concrete for ENSOR workshop/ University of Brighton, UK.
- III. Oral presentation Brighton Doctoral College Research Student conference 2015
- IV. Attendance to Making Concrete Greener conference on 17 April 2015/ SCI/ London, UK.
- V. Tutor in construction material module at University of Brighton, UK, 2015-2017.
- VI. Attendance to 44th Annual Convention Symposium. The Future of Precast An opportunity to hear how developments are being applied in Precast Concrete. Loughborough University, UK. 14th April 2016.
- VII. PhD seminar of ‘Sustainability and Resilience Engineering (SuRE)’ research group, 18th May 2016. University Of Brighton. UK
- VIII. Attendance to 8th Geopolymer Camp 2016, at the University of Picardie, Geopolymer institute, Campus of Saint-Quentin, North of Paris, France, on July 4-6, 2016.
- IX. August 2017: PMI-PMP certified training in London.
- X. September 2017: Neboosh Award in Health & Safety at work in London.
- XI. Organize several events to Basrah Children's Hospital in Iraq to supports children suffering from cancer and to provide medical care for the children of Iraq.

Publications:

Journals:

- Al-Majidi, Mohammed Haloob, Lampropoulos, Andreas and Cundy, Andrew and Meikle, Steve (2016). *Development of geopolymer mortar under ambient temperature for in situ applications*, Construction and Building Materials, 120. pp. 198-211. ISSN 0950-0618.

- Al-Majidi, Mohammed Haloob, Lampropoulos, Andreas and Andrew, Cundy (2017) *Steel fibre reinforced geopolymer concrete (SFRGC) with improved microstructure and enhanced fibre-matrix interfacial properties* Construction and Building Materials, 139. pp. 286-307. ISSN 0950-0618.
- Al-Majidi, Mohammed Haloob, Lampropoulos, Andreas and Andrew, Cundy (2017). *Tensile properties of a novel fibre reinforced geopolymer composite with enhanced strain hardening characteristics* Composite Structures, 168. pp. 402-427. ISSN 0263-8223.
- Al-Majidi, Mohammed Haloob, Lampropoulos, Andreas and Cundy, Andrew (2017). *A novel corrosion resistant repair technique for existing Reinforced Concrete (RC) elements using Polyvinyl Alcohol Fibre Reinforced Geopolymer Concrete (PVAFRGC)*, Construction and Building Materials.
- Al-Majidi, Mohammed Haloob ; Lampropoulos, Andreas ; Andrew, Cundy ; Tsioulou, Ourania ; Alrekabi, Salam. *Flexural performance of reinforced concrete beams strengthened with fibre reinforced geopolymer concrete under accelerated corrosion*. In: Structures. 2019 ; Vol. 19. pp. 394-410.

Conference;

- Al-Majidi, Mohammed Haloob, Lampropoulos, Andreas and Cundy, Andrew (2016). *Effect of Alkaline Activator, Water, Superplasticizer and Slag Contents on the Compressive Strength and Workability of Slag-Fly Ash Based Geopolymer Mortar Cured under Ambient Temperature* International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering, 10 (3). pp. 308-312.
- Al-Majidi, Mohammed Haloob, Lampropoulos, Andreas and Cundy, Andrew (2016). *Experimental investigation of the effect of silica fume on geopolymer mortar cured under ambient temperature* In: Rheological measurements on building materials 2016: Proceedings of the 25th Workshop and Colloquium, OTH Regensburg, (East Bavarian University of Technology), Regensburg, Germany, 2-3 March, 2016.
- Al-Majidi, Mohammed Haloob, Lampropoulos, Andreas and Cundy, Andrew (2016). *Strength and porosity of fly ash and slag based geopolymer mortar cured under ambient temperature with variant Silica Fume forms*. Young Researchers' Forum III Innovation in Construction Materials, Imperial College London, 12th April 2016.
- Al-Majidi, Mohammed Haloob, Lampropoulos, Andreas and Cundy, Andrew (2016). *Mechanical properties of steel fibre reinforced geopolymer composites cured under ambient temperature* In: Fib symposium 2016 'Performance-based approaches for concrete structures', University of Cape Town's Graduate School of Business (GSB), 21-23 November 2016.
- Al-Majidi, Mohammed Haloob, Lampropoulos, Andreas and Andrew, Cundy (2017). *Strengthening of plain concrete beams using Strain Hardening Geopolymer Composites (SHGC) layer*. In 39th IABSE Symposium Vancouver "Engineering the Future",

Vancouver, Canada, 2017.

- Al-Majidi, Mohammed Haloob, Lampropoulos, Andreas and Andrew, Cundy (2017). *Fibre Reinforced Geopolymer versus Conventional Reinforced Concrete layers for the structural strengthening of RC beams*. in *40th IABSE Symposium: Tomorrow's Megastructures*. 40th IABSE Symposium, Nantes, France, 2018.

REFERENCE:

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Dr Andreas Lampropoulos

Senior Lecturer in Civil Engineering
Admissions Tutor for Civil Engineering Courses (BEng/MEng)
School of Environment and Technology, University of Brighton
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