**Jamal A Beitelmal**

**B.Sc., M.Sc., Ph.D., PMP**

**PERSONAL INFORMATION**

Occupation: Assistant professor

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**ACADEMIC QUALIFICATIONS**

Doctor of Philosophy (Ph.D.) in pavement management systems, design and road network maintenance management.

Degree awarded on September 1999.

Institution: Faculty of Engineering, Department of Civil Engineering, Newcastle University, England

Title of Thesis: Development of Appropriate Technology Road Condition Monitoring System, new appropriate road condition assessment technology were innovated.

Master of Science (M.Sc.) in Structural Engineering

Degree awarded on October 1995

Institution: Faculty of Engineering, Department of Civil Engineering, Manchester University (UMIST), England.

Title of Thesis: Stress Distribution In Anchorage-Zone of Pre-stressed Masonry

First Degree: Bachelor of Science (B.Sc.) in Civil Engineering

Degree awarded: March 1986

Institution: Faculty of Engineering, Garyounis University, Benghazi,`` Libya

**ACADEMIC EXPERIENCE**

**Institution: University of Misurata, Libya**

**F**rom April 2015 till now, academic staff member on the capacity of assistant professor, courses taught were project management, cost management and risk management in addition to fundamental of highway engineering.

**Institution: PMI and PEO, Canada**

From 2012 to 2014, this period was dedicated for intensive preparation and study to obtain important credentials, PMP (Project Management Professional) which obtained and in good standing till October 2019, moreover, P.Eng. (Professional Engineer) on process where my qualifications have met the academic requirements for licensing.

**Institution: McMaster University, Canada**

From February 2011 to October 2011, Sabbatical leave at the department of civil engineering, I was working on developing of highway construction material properties and performance, such as bitumen, aggregate and polymers.

**Institution: Benghazi (Garyouins) University:**

Since the academic year 1999/2000 till 2010, working as full time teaching staff at the University of Garyounis, in Benghazi, Department of Civil Engineering. The courses taught were developing maintenance strategy in developing countries for road networks, principals of air ports design and fundamental of highway engineering, construction material science and professional practices, ethics and regulations and fundamental of project and operation management.

**Institution: Post graduate academy "Benghazi"**

Since the academic year 2002/2003 till 2010, working as part time teaching staff at the academy, department of engineering management. Courses taught were Engineering Contracts, ethics and law and Construction Maintenance Management.

**PUBLICATIONS AND PRESENTATIONS**

* J Beitelmal, the annual paper evening organised by the Institution of Highway and Transportation north eastern branch, England. 11 march 1998
* Jamal Beitelmal, John Knapton, ' Low cost Technology for Pavement Rutting Assessment' Urban Transport and Environment 2001 Conference, Lemnos, Greece 14-16 May 2001.
* The Environmental and Social effect of infrastructure maintenance absence. Local symposium about waste water treatment techniques, June 2001 Benghazi Libya.
* Proposed paper about establishing maintenance management system for ring roads in the city of Benghazi. Symposium in June 2003.
* Beitelmal.J “Development of appropriate technology road condition monitoring system”

Second national conference for engineers in Libya, Vol. 2 pp 154-187

* Beitelmal J " Effect of aggregates properties on the performance of wearing coarse layer in flexible pavement" 2nd national conference for construction material and structure engineering 2004 Elkomes-Libya pp.230-241 vol.2
* Beitelmal J "Use of slag in flexible pavement projects, Third national conference for construction material and structure engineering, Musrata, 21-23/11/2006 Libya
* Beitelmal, Jamal, Hamida A Orafy

Establishment of Management System for Maintenance Activities in Urban Road Network

Case study in Benghazi – Libya

16th world meeting, International Road Federation, Lisbon, May 25-28 2010 Portugal

**STUDENTS SUPERVISION**

Master’s students

* Hassan Mamduh, Post graduate academy, Libya

Dissertation Title: Evaluation of Economical and Environmental Impact owing to Overruns in Production Processes in Cement Industry.

* Saleha Albanoni, Post graduate Academy, Libya

Dissertation Title: Implementation of Technical Specifications for Health Sector Projects.

* Hamida A Orafy, Post graduate Academy, Libya

Dissertation Title: Establishment of Management System for Maintenance Activities Appropriate to Urban-Roads Networks in Developing Countries.

* Nadia Abo shaiba, Post Graduate Academy, Libya

Dissertation Title: Administration Contracts in Libya between the regulation and application.

* Abdelhkim. I Elorabie, Post graduate Academy, Libya

Dissertation Title: Causes of Delay and Cost Overrun in Construction Petroleum Projects in Libyan Petroleum Companies.

**Teaching Experience**

**2015-2017 Assistant Professor, University of Misrata- Libya**

Fundamental of Highway Engineering

Responsibilities: Develop the course materials, assignments, midterms and final exams and deliver all the lectures.

The course covers a review in soil properties, types of pavements, bitumen properties and tests, mix design, design of pavement layers and pavement defects and maintenance standard.

Project Management

Responsibilities: Develop the course materials, assignments, midterm and final exams and deliver all the lectures.

The course covers principles of project management according to project management institute (PMI) guide book, all project management processes groups from initiating to closing and all knowledge areas, scope, time and cost management and courses in cost and risk management.

**2000 – 2010 Assistant Professor, University of Benghazi (Garyounis) – Libya**

Fundamental of Highway Engineering

Responsibilities: Develop the course materials, assignments, midterms and final exams and deliver all the lectures.

The course covers a review in soil properties, types of pavements, bitumen properties and tests, mix design, design of pavement layers and pavement defects and maintenance standard.

Airports design and planning

Responsibilities: Develop the course materials, assignments, midterms and final exams and deliver all the lectures.

The course covers a review in airport design, runways, taxiway and aprons, planning of Terminal building, airports classification and civil aviation regulations.

Project Management

Responsibilities: Develop the course materials, assignments, midterm and final exams and deliver all the lectures.

The course covers principles of project management according to project management institute (PMI) guide book, all project management processes groups from initiating to closing and all knowledge areas, scope, time and cost management.

**Highlights of Qualifications and Skills**

* Strong knowledge of construction project and operations management and civil engineering principles and concepts.
* Experience in design and construction of asphalt concrete pavement, construction material and pavement management systems.
* Project management professional (PMP designation )
* Expert in highway engineering and transportation
* Considerable experience in teaching (+15 years)

**Research Interests**

* Research on highway materials.
* Construction project management and material science
* Pavement management systems

**Courses Taught**

* Fundamental of highway engineering
* Fundamental of structural engineering
* Project Management
* Risk Management
* Cost Management
* Construction Management and Material
* Engineering contracts (Ethics and Law)

**Final year projects (Undergraduate)**

* The social and environmental effect of deteriorated infrastructure in high residential areas,
* The economic returns of establishing appropriate pavement management system,
* The structural and economic evaluation of wet cold re-cycling process for pavement rehabilitation,
* The design of heavy duty pavement.
* The effect of aggregates and binder properties on performance of wearing coarse layers
* Protection of granular pavement layers.
* Use of slag in flexible pavement structure