# CURRICULUM VITAE

| Personal Information | | |
|---|---|---|
| **Title** | Dr. |  |
| **First Names** | Eslam Omran Ali Omar | |
| **Surname** | Gabreil | |
| **Gender** | Male | |
| **Marital Status** | Married | |
| **Date of Birth** | 13/05/1982 | |
| **Nationality** | Libyan | |
| **Home Address** | Big street/Tripoli/ Libya | |
| **Email** | eslamgabreil@yahoo.com eslam.gabreil@gu.edu.ly | |
| **Phone Number** | +218910650029 | |

| Qualifications | |
|---|---|
| **BSc** | Civil Engineering, University of Gharyan, Libya, period (2000 – 2005). |
| **MSc** | Civil Engineering, University of Bradford, UK, period (2009 – 2010). |
| **PhD** | Civil Engineering (Water Engineering), University of Sheffield, UK, period (2012 – 2017). |

**BSc project** was about Structural Analysis and Design of Steel Warehouse.

**MSc research** was about Studying Turbulent Open Channel Flows in Rivers.

**PhD research** was about Application of Smoothed Particle Hydrodynamic (SPH) to the free surface flows.

| Work Experience | |
|---|---|
| **Engineer** | Worked in office engineering, technical support, AutoCAD, Sap2000 , period (2005 – 2008). |
| **Site Engineer** | Worked for man-made river company in Libya, period (2007 – 2008). |
| **Site Manager** | Worked for Al Jewar company for oil and gas services, Libya, (2011 – 2013). |
| **Assistant Lecturer** | Technical support for BSc, MSc students in University of Bradford, Sheffield, UK, period (2013 – 2017). |
| **Lecture** | Teaching and supervising BSc students, University of Gharyan, Libya, period (2017 – 2019). |
| **Lecture** | Teaching BSc students, Al Refaq University, Libya, period (2018 – 2021). |
| **Assistant Professor** | Teaching and supervising BSc students, head of education quality control department, University of Gharyan, Libya, period (2020 – 2023). |

Modules which I am teaching (**Fluid Mechanics**, **Environmental Engineering**, **Sanitary Engineering**, **Harbor Engineering**, **Foundation Engineering**).

| Engineering Software | |
|---|---|
| **Office** | Wide knowledge of using Word, Excel, PowerPoint, Access. |
| **MatLab** | Wide knowledge of using MatLab and its application in Civil Engineering. |
| **AutoCAD** | Wide knowledge of using AutoCAD and its application in Civil Engineering. |
| **EPANET** | Wide knowledge of using EPANT and its application in Water Engineering. |
| **WaterCAD** | Wide knowledge of using WaterCAD and its application in Water Engineering. |
| **Sap2000** | Wide knowledge of using SAP2000 and its application in Civil Engineering. |

| Languages |
|---|
| **Arabic**: Mother tongue. |
| **English**: very good at (listening, reading, writing, speaking). |

| Skills and Interest |
|---|
| **Skills**: working in group, working independently, team leader, researcher, teacher. |
| **Interest**: reading, swimming, bodybuilding. |

| Publications |
|---|
| Simulation of the free surface and flow velocity in depth-limited lows over rough beds. River Flow conference (2014) in Switzerland. Gabreil *et al.* (2014). |
| SPHysics Simulation of Laboratory Shallow Free Surface Turbulent Flows over Rough Bed (2017). Journal of Hydraulic Research. Gabreil *et al.* (2017). |
| 3D SPH Simulation of Dynamic Water Surface and Its Interaction with Underlying Flow Structure for Turbulent Open Channel Flows Over Rough Beds. Gabreil *et al.* (2019). International Journal of Ocean and Costal Engineering. |
| Sustainability of the Dujiangyan Irrigation System for over 2000 Years – A Numerical Investigation of the water ans sediment Dynamic Diversions (2020). |
| Three-dimensional Smoothed Particle Hydrodynamics modelling of near-shore current flows over rough topographic surface (2022). Gabreil et al. (2022). |
| تقييم جودة مياه الابار الجوفية الواقعة ضمن نطاق مدينة مزدة ومدئ ملائمتها للشرب. تحت الاجراء |
| محاكاة رقمية لاصطدام الامواج علي حاجز امواج راسي باستخدام طريقة الجزيئات الناعمة الهيدروديناميكية (SPH). تحت الاجراء |