

CURRICULUM VITAE

PERSONAL INFORMATION:

Name : **Ezeddine Emhemd Muftah Zorgani**
Home Address : Al-Fornage, Aenzara, Tripoli, Libya
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Company Address : National Oil Corporation(NOC), Assekka road, Tripoli, Libya, P.O. Box 2655-5335
Telephone No. : +218 213345700-214446181 / Office 1797
Fax No. : +218 214446181
Date of Birth : April 6, 1969,
Place of Birth : Baniwallid, Libya
Civil Status : Married
Citizenship : Libyan
Sex : Male
Religion : Islam
Email; : ezorgani@noc.ly zorgani44@gmail.com
Languages : Arabic (tongue language), English

- **Member of Scientific Committee for 2nd INTERNATIONAL CONFERENCE ON ENERGY, ENVIRONMENT & DIGITAL TRANSITION, Palermo, Italy, 22-25 October 2023**
- **Member of the Investment Committee of Al-Brega Oil Marketing Company, Libya**
- **Member of the Investment Committee in Oil Sectors (Refineries and petrochemicals), National Oil Corporation NOC, Libya**
- **Associate editor of AshEse journal of Engineering**
- **Member of Scientific Committee for BIEOG 2018 form and exhibition**
- **Member of Editorial Board-Review committee for International Journal of Science and Engineering research (IJSER)**
- **Reviewer /American Journal of Chemical Engineering**
- **Reviewer /Knowledge Publication Group**
- **Editorial Board Member/International Journal of Management, Sciences, Innovation, and Technology – IJMSIT**
- **Reviewer OF SPE Production & Operations Journal**

EDUCATIONAL BACKGROUND:

PhD: 2012, Department of offshore, process and system engineering, Engineering school, Cranfield University England/UK.

MSc: 2004, Chemical Engineering Department, Faculty of Engineering, Tripoli University, Tripoli, Libya.

BSc: 994, Chemical Engineering Department, Faculty of Engineering, Tripoli University, Tripoli, Libya.

EMPLOYMENT RECORD:

- A.** National Oil Corporation (NOC) (current position), Consultant /Planning department, Tripoli, Libya, February 2018
- B.** Libyan Petroleum institute (LPI), Technical Consultant April 2016- January 2018
- C.** Libyan Petroleum institute (LPI), manager of Industrial and Production Chemistry, Tripoli, Libya, May 2014/March 2016
- D.** Cranfield University, Research fellow, Engineering school, department of offshore, process and system engineering, Process systems engineering group. England, United Kingdom, January 2012-January 2013
- E.** Cranfield University, Fitness Centre Assistant, Cranfield University, England, United Kingdom, 28/2/2010 -8/1/2012
- F.** Cranfield University, Research Student for PhD degree, England, United Kingdom, October 2008- January 2012
- G.** Libyan Petroleum institute (LPI), Researcher, Fluid flow and behavior group
Industrial and production Chemistry department, February 2001 –October 2008
- D.** Milchem CO. Ltd., Mud engineer, processing department, Tripoli, Libya. January 2000 to February 2001
- H.** National company of Pharmacy, Engineering department ,1998-1999

TEACHING ACTIVITIES

- I. High Technical Institutes**
collaborator Lecturer at different High Technical Institutes, (Azizia, Azzawia and Soughalgamis)
Teaching different subjects for Chemical engineering area, February 2005 –October 2008
- II. Chemical Engineering Department,**
Part time Laboratory engineer, Faculty of Engineering (Operate unit operation lab)
Tripoli University, Tripoli, Libya, November 2000 – 12 /2006

III. Al-Majed institute (basic sciences school)

Teaching different subjects (general chemistry, laboratory chemistry Analytical Chemistry)
For the Secondary school level, Tripoli, Libya, November 1994 to November 1996

IV. Supervision of student projects

- Evaluation of Sarir Crude oil (flow assurance study), **M.Sc. degree**, (Tripoli University, Tripoli-Libya),2017
- Exploitation of condensate to produce gasoline, **M.Sc. degree**, (The Libyan academy, Tripoli-Libya),2016
- Increasing Production of Gasoline in A-Azzawiya Oil Refinery **M.Sc. degree**. (The Libyan academy, Tripoli- Libya),2015
- Using straight run naphtha (SRN) to increase Gasoline production, **M.Sc. degree** (The Libyan academy, Tripoli- Libya), 2013
- Pressure Gradient calculation for multiphase flow, B.Sc. degree (Higher Institute of Science and Technology-Qaraboulli- Libya),2018
- Design of diesel fuel desulfurization unit, B.Sc. degree (Faculty of Engineering – Garahboulli / Al- Mergib University),2018
- Design of duple pipe heat exchanger, technical diploma degree. (Azizia High Technical Institutes, Azizia –Libya),2006
- Calculation of sulfur content for Libyan Crude oil, technical diploma degree (Azizia High Technical Institutes, Azizia –Libya), 2005
- MSc External examiner (The Libyan academy, University of Tripoli)

COURSES

1. English language courses, levels (1-5), Tripoli, Libya ,3/1/1998-12/3/1998 (Rasied scientific Company)
2. Developing engineer's skills, Tripoli, Libya, 14/3/1998- 28/5/1998 (Rasied scientific Company)
3. Basic Mud course, Tripoli, Libya, 1/1/2000- 14/1/2000 (Milcom Company)
4. Drilling Mud technology, Cairo, Egypt, 21/10/2000 – 10/11/2000 (Industrial chemical and Environmental material Co., in association with Chem. Plus Co. Egypt co)
5. Refining operation planning and linear programming, Paris, France, 26/9/2001- 5/10/2001 (L' institute France du petrole, IFP, French co.)
6. Paraffin, Asphaltene and scale: theory, problems & solutions, Tunis, Tunisia 26/2/2004 - 1/3/2004 (American Institute of paraffin, Asphaltene and scale, American co.)
7. Awareness and understanding of ISO 17025: 1999 standard, Tripoli, Libya, 26/12/2004 – 29/12/2004 (Maharat centre for training in cooperation with SGS Egypt co.)
8. English language courses, levels (beginner-upper intermediate),23/2/2003-12/2/2005 (Petroleum companies' Language & training centre)
9. Gas engineering and processing, Tripoli, Libya ,8/5/2005- 19/5/2005 (Petroleum companies' language & training centre)
10. Multiphase flow in pipes, Tripoli, Libya, 28/8/2005-8/9/2005 (Petroleum companies' language & training centre)
11. Flow Assurance with OLGA 2000 software, Tripoli, Libya, 10/7/2005- 14/7/2005 (Scand Power Company, Norwegian co.)
12. International English Language Testing System (IELTS), overall band score 5.0, Libya ,14/7/2007 British Council Libya
13. Program on Upgrading Process of Heavy Oil, Japan, 3/42008 -22/4/2008. (Japan Cooperation Center, Petroleum, JCCP)
14. Fundamental of Flow Assurance, Cranfield, UK ,17-21/9/2012(Cranfield University
15. Set of courses during PhD study at Cranfield University

Course name	Data
Electrical capacitance Tomography (ECT) Fundamentals and Applications	14-15/1/2009
PROCESS PLANT OPERATION	19-23 /10/2009
Research Planning and Report Writing	26-28/10/2009
Technical Skills 2-day Workshop	24 & 25 /11/ 2009
Project Management	30/11/2009
Design of Experiments	08/01/2010
H&S Lab training	02/02/2010
PROCESS MEASUREMENT SYSTEMS	1-5/03/2010

16. Project management and risk Analysis, Istanbul /Turkey 11-15/10/2021, delivered by ITECT Center in collaboration with university of Victoria (London UK).

CONFERENCES, JOURNALS AND STUDIES:

- “Viscosity effect on sand flow regimes and transport velocity in horizontal pipeline”
Experimental Thermal and Fluid Science Journal, available on line 26, August, (2017)
- “Influence of sand particles on the viscosity of heavy oil” AshEse Journal of Engineering, Vol.3 (1), pp. 083-091, April, (2017)
- Visual Observation of Entrained (Pick-up) velocity of Sand Particles Part I – low viscous fluid”
The Experiment journal, Volume-39, Issue.4 is online. (2017).
- Estimation of the Restarting Pressure for ABU-ATTIFEL Crude Oil”
Presented at 1st International Conference on Chem., Petro. and Gas Eng. ICCPGE
20 - 22 December, Almergeb University (2016). Published at JOURNAL OF ENGINEERING
RESEARCH AND APPLIED SCIENCES (JERAS), College of Engineering Technology , Houn, Libya, (2016).
- Increasing of the gasoline productivity at Azzawia refinery using pyrolysis gasoline” Fifth annual
International Refining and Petrochemical Conference, 24–26 June / Verona, Italy (2014).
- Team leader of the “Octane Booster PT10515G-increasing gasoline production in Libya”
National Project for National Oil Corporation, **Libya (NOC), 2013.**
- High viscosity effect on characteristics of Oil and gas two phase flow in horizontal pipes”,
Chemical Engineering Science Journal 95(2013) 343-352
- Viscosity effects on sand flow regimes and transport velocity in horizontal pipelines, 8th north
American Multiphase Technology conference, Banff, Canada: 20-22 June 2012, available online
On The Onepetro journal (SPE).
- **CHOPS II** (Cold Heavy Oil Production with Sand) for BP Exploration Operating Company Ltd, 2012
- Application of Electrical Capacitance Tomography to Sand measurement in Oil Pipeline” 4th
International Workshop on Process Tomography (IWPT-4), Chengdu, China, 21-23 September
2011
- ECT Tomography Technique for Monitoring Sand in Heavy Oil in Pipeline: Static Measurements”,
5th Technology of Oil and Gas Forum (TOG201), Tripoli, Libya, 12-14 October 2010.
- **CHOPS I** (Cold Heavy Oil Production with Sand) for BP Exploration Operating Company Ltd, 2010
- Investigations in Measurements of Multiphase in pipeline using ECT: Part 1 static measurements”,
6Th World Congress on industrial Process Tomography (WCIPT6), Beijing, China, 6-9 September
(2010).
- Distribution of sulfur compounds in Libyan crude oils (poster), Molecular Structure of Heavy Oils and Coal Liquefaction
Products, 12 - 13 April 2007, IFP-Lyon, France
- Adjustment of Process Variables to Reduce Evaporation Losses from High Pour Point –
Crude Oil Storage Tanks (poster), Molecular Structure of Heavy Oils and Coal Liquefaction
Products, 12 - 13 April 2007, IFP-Lyon, France
- **PERFORMANCE OF WAX INHIBITORS** on Paraffin Deposition on Sarir Crude Oil by Cold finger instrument for
Westhaven chemical LTD.07/11/2006
- On Hydrates Formation Experience with A Subsea Well ,10th International Conference on MULTIPHASE FLOW IN
INDUSTRIAL PLANT, Museo Diocesano, Tropea, Italy 20-22 September 2006
- On Hydrates Formation Experience with A Subsea Well The 3rd conference on Oil and Gas
Technology conference, TOG Tripoli, Libya, June 2006
- Effect of temperature and flow rate on wax deposition), the 6th intentional conference on
Petroleum phase behavior and fouling, Amsterdam, Nederland, June 19-23 /2005
- Investigation of the effects of wall temperature and temperature difference on wax deposition in
Crude oil pipelines, Manama, Bahrain 1/29/2005-2/2/2005
- Wax deposition behavior, The 9th international conference on multi-phase flow in industrial,
Rome, Italy, September 20- 21, 2004
- An experimental study of wax deposition, The 2nd conference on Oil and Gas Technology
Conference, TOG) Tripoli, Libya, June 2004
- **SIMULATION OF RESERVOIR** fluid using HPLC Analysis (with Hysis software) for Agip, 2002

Personal activates:

- Football player with Al-Dawahi club, 1985-1987
- Football player with Police club, 2000- 2001
- Taekwondo (WTF) ,4th Dan black belt (player, referee, coach), 1991 – 2003
- Futsal coach (Certificate from UK Football) 2010
- Technical consultant for Taekwondo Steering Committee (2017)