

# CURRICULUM VITAE



## ***Emilia Abdullayeva***

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**Date of birth**            5-th of January 1974

**Place of birth**        Azerbaijan, Baku

### **Academic Qualifications:**

- ***Harvard Business School (Online):*** April 2021 – Sustainable Business Strategy ; USA , Boston
  - Understand and analyze the business models that drive change
  - Communicate the competitive advantages of being a purpose-driven leader to management, leadership, and other key stakeholders
  - Explore why collective efforts matter and how business can be a catalyst for system-level change in the face of significant global issues, such as climate change and income inequality
  - Examine the broader environmental, political, and social landscape in which you operate, including the role of government, investors, and customers
  - Determine what you can do in your career to become a purpose-driven leader

- ***PhD:*** 1999 November – 2006 June - **National Academy of Sciences of Azerbaijan**

**Thesis:** Creating new corrosion inhibitors and biocides on the base of nitrogen containing organic substances

- ***MSc (Master of Science) :*** 1997 September – 1999 June - **Azerbaijan State Oil Academy**  
**Department:** Refining Technology and Chemistry of Oil

- ***BSc (Bachelor) :*** 1993 September – 1997 June - **Azerbaijan State Oil Academy**  
**Department:** Technology of Refinery and Chemistry of Oil and Natural Gas

**Member of Royal Society of Chemistry – Membership 684958**  
**Chartered Chemist from Royal Society of Chemistry**



**<https://www.linkedin.com/in/emilia-abdullayeva-mrsc-0838a424/>**

**<https://membershipbadge.nace.org/3f91100d-2d4f-4c97-a770-8e532be6cb1e>**

**Member of NACE/AMPP Internal Corrosion group**

Member of the Royal Society of Chemistry • Emilya Abdullayeva MRSC • Royal Society of Chemistry Membership Recognition (credential.net)

**ICORR (Institute of Corrosion) – member 207514**  
**Chartered Engineer – from ICORR**

## **Work Experience**

### **2023-Present**

**Account Manager for Flow Assurance Chemicals and Integrity Chemicals** - Contract Management, business review, account assurance, chemical supply, technical support on flow assurance and integrity chemicals. Company price update on the base of current valid index. Sales reports on revenue, invoice management. New tenders bid preparation and submission.

### **2018 January – 2023**

**Sr Corrosion Engineer ChampionX – PDO (Petroleum Development Oman), Corrosion Inhibitor project in Oman.** Review all Laboratory analyses, make sure that all sampling and test been done according to safety standards. Attending during sampling at field with Lab Technician and make sure on sampling and testing reproducibility. Checking daily consumption of chemicals, recommending proper dose rate according on performance of chemicals. Review corrosion rate monitoring tools data (LPR probes, coupon data etc.), interpretation of corrosion data and corrosion inhibitor and biocide performance. Forecasting chemical volumes. Regular Field visits : collect deposition and pig slug samples, perform dissolution test in field Laboratory to find out root cause of corrosion issue. Follow up new projects and coordinate with NALCO Aberdeen R&D department ongoing projects. Support customer (PDO) with continues improvement suggestions and implementation those as projects. Technical Expert for ChampionX on corrosion and microbiology issues.

**In current role within company (ChampionX) I am providing global technical support for corrosion and microbiology related projects. I am also one of the authors of Advance Microbiology Technical Training e-book prepared for company staff. The reason of involving on microbiology related projects is, to have experience on biocide and corrosion inhibitor creating and formulation in previous research experience. I am also one of the author for creating corrosion inhibitor and SRB suppress biocide.**

#### **2016 July-2017 December –Account Manager (Senior Production Chemist) – CECA Arkema group**

I was based at MAERSK Oil Qatar office in Doha and responsible for Corrosion and Scale inhibitor (Down hole corrosion/scale inhibitor (combined product), wet gas corrosion inhibitor, Top side corrosion Inhibitor and top side scale inhibitor) and demulsifier contract at MAERSK Oil field Al Shaheen in Qatar.

In this position I was responsible for Corrosion and Scale inhibitor (Down hole corrosion/scale inhibitor (combined product), wet gas corrosion inhibitor, Top side corrosion Inhibitor and top side scale inhibitor) contract at MAERSK Oil field Al Shaheen in Qatar. I managed the team of two Service Engineers, review repots, monitor chemical performance, review CI residual and SI residual, SEM results, make conclusions, regularly visit Al Shaheen platforms, optimize chemical dosages, prepare field trial reports, manage logistic for offshore, arrange daily chemical delivery to platforms. I also involved into dehydration chemicals application. I supported MAERSK Oil Production Chemist team for flow assurance issues like subsea pipeline fouling. I regularly get in touch with Technical Team in CECA France to sort out integrity and flow assurance related issues at Al Shaheen field. Daily follow up offshore Production Reports. I hold weekly Production Chemistry meeting for CECA and MAERSK Oil and during meeting we follow up contract projects activities, share raised quires by customer to CECA Technical support team, playing the role of interference. I was regularly visiting Al Shaheen platforms.

From June 2017 I was based at **NOC** (North Oil Company – joint venture Qatar Petroleum and TOTAL) Qatar office and started working with NOC Production Chemistry Team as Maersk Oil lost operating rights in tender for Al Shaheen project.

#### **2015 September – 2016 June - Senior Production Chemist, Nalco Energy**

In this position I was responsible for Produced Water treatment and clarification, Oil and Gas Export pipeline (pump stations in Azerbaijan and in Georgia) Production Chemistry related issues for Azerbaijan and Georgia. Chemical Forecast and creating purchase orders at BP SAP system. Creating permits to work at Work Control system. Permanent work location is BP (Sangachal Terminal) field.

Current Activities:

- Coagulant and Flocculent application at Produced Water treatment process
- MIC control (Bacteria proliferation control) along Produced Water treatment facilities and Oil and Gas pipeline
- Wax deposition issues at export pipeline
- Corrosion and chemical concentration control at Water Bath Heaters at pump stations.
- Steam boiler performance, boiler chemical application
- Produced Water and Oil tanks farm
- Diesel Tank Farm
- Produced Water Laboratory management (Managing of Chemists group – 12 people)
- Managing Team of 3 Production Chemists

Production Chemist at Oil and Gas Terminal in Azerbaijan as part of the CMS contract between NALCO and BP. I have 9 years production chemistry experience at the terminal covering; corrosion, wax formation, separation, hydrates, scale and foaming. I am familiar with BP systems and have built a good relationship within Sangachal Terminal Operations. Regularly performing Scale prediction for process fluids via ScaleChem and ScaleSoft Pitzer softwares. I attended at microbiology survey,

corrosion coupon retrieval campaign, conducting ATP test. I am experienced at Produced Water treatment, controlling water clarifier application.

**2011 Apr- 2015 August Production Chemist, NALCO Energy**

I was responsible for the supply of chemical management and service to oil- and gas industry customer in BP Azerbaijan (Sangachal Oil and Gas Terminal). I was responsible for Production Chemistry and Flow Assurance issues at Oil and Gas treatment process. COSHH assessment for supplied products, Chemical injection pumps managing and Financial Reports are covered as well. Report Monthly activities and KPI. I was also managing some projects related with gas sweetening, wax inhibitor and application of other new products. I was responsible for all oil and gas plant chemical related issues.

**2009 - 2010: Production Chemist, Champion Technologies (BP Sangachal Oil and Gas Terminal)**

**Accomplishments/Activates:**

- Responsible for production chemistry and Flow Assurance issues Sangachal Terminal field
- Attending at field trials for application of new products.
- Primary point of contact for oil and gas terminal operations team.
- Responsible for the chemical stock and supply at Sangachal
- Managing team of four.
- Report chemical usage and spend to customer
- Maintain high standard of HSE at the Terminal through safety inputs.
- Provide a proactive service to customers through BP continuous improvement system
- Awarded Champion Technologies safety prize for commitment to safety

**2008 to 2009: Technical Service Engineer, Champion Technologies (BP Sangachal Terminal)**

In the role of Technical Service Engineer I was responsible for monitoring of all chemical injection rates at the terminal and adjusting as required to ensure optimal performance. I attended morning operation meeting and reported any changes in process to appropriate personal. Routine sampling for chemical performance testing / process optimization.

**Accomplishments/Activates:**

- Monitoring daily consumption of chemicals
- Carry out weekly stock check and ensure adequate levels
- Sampling oil and water for routine analysis
- Monitoring performance of processes
- Carry out production chemical performance monitoring
- Maintaining a high standard of safe through the BOSS/STOP system

**2007 - 2008: Development Chemist, Champion Technologies**

As development chemist I worked in Champion's laboratory undertaking performance testing for several production chemicals, including wax inhibitors, pour point depressants and corrosion inhibitors. As well as this research I also worked in the QC lab when required.

#### Accomplishments/Activates:

- Conducting quality control analyses,
- Feasibility studies of new and existing corrosion inhibitor chemicals
- Carry out chemical performance tests

#### 1999 to 2007 National Academy of Sciences of Azerbaijan, Institute of Petrochemical Processes

During the 8 years working at the Institute I advanced from an engineer to senior scientific researcher. My role involved the research of corrosion inhibitors and biocides (including synthesis and reaction mechanisms) in order to investigate new, cost effective products for the oil and gas industry

#### Accomplishments:

- Excellent time and project manager skills
- Development of new corrosion inhibitor products
- Presentation skills
- Numerous peer reviewed publications.

#### References

Paul Davies - Nalco Champion , District Account Manager, Oman - [pdavies1@ecolab.com](mailto:pdavies1@ecolab.com)  
 Dr Garry Keilty –CCHEM, FRSC, BP, Head of Production Chemistry Team – [keilg1@bp.com](mailto:keilg1@bp.com)

#### Training and Certificates

- Maximo system training- Creating Work Orders and Purchase Orders-**BP**
- Basic Corrosion – **NACE**
- Workshop on "Introduction to Oilfield Corrosion, Materials and Corrosion Control"- **SPE workshop**
- Oilfield Bacterial Monitoring with Microbiology Influenced Corrosion and Reservoir Souring Training-  
The training provided by **Commercial Microbiology**
- Workshop on Emergency Response Procedures – **QHSE Solutions Ltd**
- Workshop on QHSE Leadership – **QHSE Solutions Ltd in Baku**
- Fundamentals of Petroleum Course –**Champion Technologies in Baku**
- Fundamentals of Chemical Treating (Oilfield Chemicals Training) – **Champion Technologies**
- Safety Observations and Conversations (SOC) training - **BP**
- NACE Corrosion Conference – **presenter in Malaysia Kuala-Lumpur**

- Behavioral Safety Auditing –**OTI**
- Manual Handling Training – **OTI**
- PPE Training – **Champion Technologies**
- Safe Chemical Handling Training- **OTI**
- First Aid Course- **OTI training**
- MSDS training – **Champion Technologies**
- Medical offshore examination – **SOS certificate**
- COSHH Assessments- **OTI**
- Risk Assessments- **Champion Technologies**
- Product Applications training- **Champion Technologies**
- Ethics and Legal Compliance (Training 1, 2, 3)- **Champion Technologies**
- MS Excel Advanced course – **Advanced Technologies Incorporated**
- Sales and Oil Field Chemicals course- **2013, USA, Houston**
- TBOSIET- OPITO (Qatar)
- Basic H2S and SCBA – OPITO (Qatar)
- **Corrosion Prevention and Control Management e-Course -NACE/AMPP**
- **Cathodic Protection Fundamentals eCourse -NACE/AMPP**
- **Advanced Internal Corrosion Technologiest course – NACE / AMPP**
- **Sustainable Business Strategy – Harvard Business School**

## **Publications**

1. 'Purification of Produces Water from radioactive elements with naphthenic acids', III Baku International Petrochemistry Conference, October 5-8, 1998, p.152
2. 'Liquid phase oxidizing of linear olefins in the presence of nitro radicals', IV Baku International Petrochemistry Conference, September 19-22, 2000, p.52
3. 'High effective anti corrosive conservation liquids', IV Baku International Petrochemistry Conference, September 19-22, 2000, p.122
4. 'Synthesis of Naphthenic acids with direct oxidizing naphthenic hydrocarbons obtained from Baku Oils', V Baku International Petrochemistry Conference, September 3-6, 2002, p.84
5. 'Synergetic inhibiting compositions for two-phase acidic medium' Chemical Journal of Georgia, Vol.3.№1, 2003, c.13-16
6. 'Higher amino alcohols are effective corrosion inhibitors for lowcarbonic steel', CORCON-2003"International Conference on Corrosion., 1-4 December, 2003, Mumbai, India
7. 'The method of obtaining of reagent against hydrogen sulphide corrosion and for suppression SRB', Azerbaijan Standardization, Methodology and Patent Agency, Patent 2004 0064
8. 'Studying of biocide properties of naphthenic acid salts', Journal of Petrochemical Processes, 2004, 2(17), c.10-15

9. 'Optimization of obtaining naphthenic acids from Balakhani oil', Petrochemistry, 2005, vol 45, №3, c.1-6
10. 'Synthesis and studying of anti corrosive activities nitrogen derivatives of organic acids', Petrochemical Processes 2005, №1(20), p.3-7
11. 'Synthesis of nitrogen derivative of carboxylic acids and research of their anticorrosive properties' , Eighth Baku International Conference, Energy, Ecology, Economy, Baku 2005
12. 'Creating of multifunctional compositions which inhibit corrosion', Practice of corrosion protection, 2007, №2
13. 'Amides of naphthenic acids as biocides and corrosion inhibitors', Petrochemistry Processes, p.34-36
14. 'Nitrogen derivatives of naphthenic acids as effective corrosion inhibitors', Petrochemical Process, 2007, 3(30), p.19-22
15. 'Creating new corrosion inhibitors on the base of waste material of oil industry', 17-th International Corrosion Congress (NACE), USA Las Vegas, Nevada, October 6-10, Paper No 2171, 2007
16. 'Corrosion Inhibitors on the base of olefins', NACE East Asian and Pacific Regional Conference and Exposition 23<sup>rd</sup>-25<sup>th</sup> November 2009, Kuala Lumpur, Malaysia
17. 'Suppression of SRB growth by biocides on the base of Amino-alcohols, NACE, CORROSION 2010, USA, San-Antonio, Texas, March 14-18
18. New Test Method for Measurement of Water-Soluble Corrosion Inhibitor Residual in Oil Samples for Low Water-Cut Oil Systems, AMPP, Corrosion "Virtual Conference & Expo 2021", USA, April 19-30.