

Sazar A. Ali

Contacts

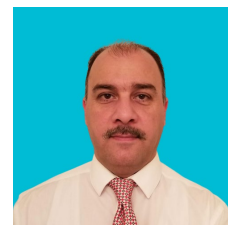
Personal:

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Education

1. BSc in Chemical Engineering, University of Technology - Baghdad 2003
2. AAS in Process Technology, Baghdad Community College 1998

Training

1. Sites specific trainings at different LyondellBasell plants – LYB 2012-2015.
2. OSHA Basic Plus Safety training – HASC, 2012, 2013, and 2014.
3. Project Management Workshop – MSI, 2009; HCCS, 2019.
4. Supply Chain Management Workshop – MSI, 2009.
5. ISO 9001 Quality Management System Workshop– MSI, 2008.
6. Outreach and Career Counseling Workshop – USAID, 2005.

Work Experience

1. Houston Community College (www.hccs.edu); **Faculty, August 2012- Current**

Train students to operate and troubleshoot systems and equipment like valve, pump, compressor, furnace, cooling tower, boiler, heat exchanger, CST/PF reactor, and HSE in both lab and simulation environment. Also, we train students on teamwork, communication, P&ID/PFD, and process startup/shutdown.

2. Houston Community College (www.hccs.edu); **Associate Chair, August 2015- August 2018**

Administrate the operations and instruction at Process Technology Program, secure funding for program, coordinate with the HCC Corporate College, work with industry to determine the latest needs, facilitate seminars/workshops, and represent the program during meetings and events.

3. LyondellBasell (www.lyondellbasell.com); **Process Engineer, April 2013 – November 2015**

Evaluate over-pressure systems, site visits, specs verification, simulate overpressure scenarios to ensure the facility is following pressure relief standards per API 520 / 521 codes.

4. Anadarko Petroleum Corporation (www.anadarko.com); **Chemical Engineer, May 2011- March 2012**

Establish operation and safety systems assets hierarchy for offshore production platforms to populate into SAP software for preventive maintenance orders.

5. Stewart and Stevenson (www.stewartandstevenson.com); **Technical Translator, Nov 2010 – May 2011**

Translate (English to Arabic) and assist to train groups of operators on Allison transmission 4700, Caterpillar engines C15, SPM TWS600S pumps, Serva cement/water mixing system, and hydraulics for truck mounted cementing unites.

6. Inteplast Group (www.inteplast.com); **Field Engineer, November 2009 – July 2010**

Construct and commission PVC extrusion lines including facility equipment. i.e. silo, hoper, mixer, pellet transfer system, compressor, chiller; in green-field project.

7. USAID (www.usaid.gov); **Project Engineer, March 2008 – July 2009**

Run short term projects at client site, i.e. Troubleshooting a damage in a Nitrogen unit at LPG plant, pumps replacement in a refinery-wet oil treatment unit, training facility setup for oil field drilling projects, etc.

Other Roles:

- a. MSI/State Company for Oil Projects – Ministry of Oil – Iraq, Liaison Engineer March 2008 – July 2009.
 - b. MSI/National Center for Consultancy and Management Development – Ministry of Planning – Iraq, Training Coordinator June 2007 – March 2008.
 - c. America's Development Foundation/USAID, Monitoring and Evaluation Specialist October 2006.
 - d. Louis Berger Group/MTC - Vocational Training Center, Team Leader March 2005 - September 2005.
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Engineering Skills

- Draft start-up and shut-down normal/emergency operation procedures.
 - Develop PFDs and P&IDs.
 - Prepare material and heat balance sheets.
 - Prepare QRA, Permits, LOTO, and PPE documents.
 - Audit per API 520 and 521 standards.
 - Perform equipment sizing/rating.
 - Perform pressure relief sizing.
 - Develop process control systems.
 - Operator training simulator (ProDyn, Simtronic, Orinox).
 - Operating and troubleshooting major industry systems including the following units:
 1. Gas sweetening with Amine
 2. Light crude distillation
 3. C6/C7 splitter
 4. Distillation of Water/Isopropyl system
 - Active TWIC and HASC cards.
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Business and Project Skills

- Microsoft Office applications (Word, Excel, PowerPoint, Access, Project, Outlook)
 - SAP/Material Management software
 - Cost/Budget estimation and tracking
 - Project scheduling
 - Supply chain management
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Language Skills

- Turkmen (Native)
 - Arabic (Fluent)
 - English (Fluent)
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Activities since 2015

- The 2019 Kirkpatrick Award, Chemical Engineer's Conference – New York NY, October 2019.
 - Control Loop Configuration, ABB – Houston TX, March 2019.
 - Refining and Equipment Standards, API Spring Meeting – Seattle WA, April 2018.
 - Plant Maintenance, Inspection, & Engineering Society – Pasadena TX, March 2018.
 - NAPTA Winter General Meeting, NAPTA – Lake Charles LA, February 2018.
 - Process Safety, LyondellBasell Engineering Center – Houston TX, January 2018.
 - Process Safety, Chevron Refinery – Richmond CA, August 2017.
 - Faculty Externship, Shell Deer Park Refinery – Houston TX, October 2016.
 - API 520-521, LyondellBasell Channel View Operation – Houston TX, January 2015.
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Internships

- National Chemical and Plastic Industries – Baghdad, Summer 2002.
 - Oil Products Distribution Company – Baghdad, Summer 2001.
 - National Center for Construction Laboratories – Baghdad, Summer 1998.
 - The General Company for Food Products – Al-Rasheed Factory / Soap Department – Baghdad, Summer 1997.
 - Central Organization for Standardization and Quality Control – Baghdad, Summer 1996
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Others

- **Textbook review:**
 1. Process Instrumentation 2nd Edition Pearson by NAPTA
 2. Process Operation 2nd Edition Pearson by NAPTA
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Links

- <https://learning.hccs.edu/faculty/sazar.ali>
- <https://www.linkedin.com/in/sazar-ali-0577139>
- <http://www.ratemyprofessors.com/ShowRatings.jsp?tid=2288863>