

Emad-aldeen Sami

Process Engineer

Name: Emd-aldeen Sami Bdwi Babiker

Nationality: Sudanese

Mobile Number: (+249) 123790413

Sudan E-mail: emadsami90@gmail.com

Place and Date of Birth: Libya, August 29, 1990

Marital Status: Married

Current Addresses: Khartoum,

Summary

A highly motivated and enthusiastic M.Sc. Chemical engineer. Experienced in oil refinery as a process engineer in Naphtha reformer and Hydro-treatment unit. Able to use own initiative to work independently, or as part of a team to meet highly challenging deadlines with excellent verbal and written communication skills. Looking forward to utilize and improve my engineering expertise in an active and creative work environment, and to perform various challenging tasks in well-established organization.

Experience

Process Engineer at Khartoum Refinery Company in CCR & GDHT Unit

'Feb 2014 - Feb 2015' then 'April 2017 up to now'

- Follow-up and monitor the performance of the unit prepare daily performance summary.
- Diagnose process problems and recommend corrective actions to deal with abnormalities.
- Coordinate with operation to conduct test run, test new chemicals and implement change in plant operations.
- Catalyst management
- Monitoring of chemicals consumption.
- Monitoring of feedstock and products quality.
- Investigating Accidents, equipment failure, emergency shutdowns.

Field Operator at Khartoum Refinery Company in CCR & GDHT Unit

Jan 2013 - Jan 2014'

- Ensure plant is operating efficiently.
- Read schedules.
- Determine quality of products.
- Monitor variables such as temperature, pressure, vacuum, and time.
- Operate heaters, furnaces, compressors, exchangers, reactors, quenchers, stabilizers, fractionators.
- Check for leaks and faulty valves.
- Patrol units to secure safety.
- Report malfunctioning equipment.

Part-time teaching assistant at King Fahd University of Petroleum & Minerals

'2015 – 2017'

Worked as part-time teaching assistant while studying as M.Sc of chemical engineering

- Training of students on research techniques & evaluate research projects.
 - Assist faculty members in teaching-related duties.
 - Perform lab experiments for catalysts evaluation and characterization.
-

Education

Master of Science, Chemical Engineering, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia
'2015– 2017'

- Worked my thesis under the title of 'Co, Fe, Mo BASED OIL SOLUBLE DISPERSED CATALYSTS FOR HYDROCRACKING OF HEAVY OIL'
- Worked as a full time student and part time teaching assistant.

Bachelor of Science, Chemical Engineering, University of Khartoum, Sudan '2007 – 2012'

- Cumulative GPA of 7.12 out 10.00 (First Class)
- Final year project was to design and evaluate economic feasibility of the 'Production of MTBE' for a factory.
- Graduated with first class.

Journal Publications

- **Emad A.S. Bdwi**, Syed A. Ali, Saad A. Al-Bogami, Shaikh A. Razzak, Mohammad M. Hossain, 'Kinetics of the Promotional Effects of Oil Soluble Dispersed Metal (Mo, Co and Fe) Catalysts on Slurry Phase Hydrocracking of VGO', *Energy & Fuels*.
- Syed A. Ali, **Emad A.S. Bdwi**, Mohammad M. Hossain 'Kinetics of Simultaneous HDS of DBT and 4-MDBT/4-6 DMDBT over CoMoP/ γ -Al₂O₃ Catalysts'. *The Canadian Journal of Chemical Engineering*

Courses

- Basic operation course (2 months duration), Khartoum Refinery Company, Sudan (February 2014).
- Catalysis (3 months duration), King Fahd University, Saudi Arabia (January 2015).
- Polymer Nano composite, King Fahd University, Saudi Arabia (September 2015).

Computer Skills:

- Expertise in MS Office (Word, Excel and PowerPoint).
- Excellent knowledge in CHEMCAD and HYSYS simulation programs.
- A good knowledge in using Wolfram Mathematica and moderate skills in MATLAB.

Soft Skills

- Possess a high skill to communicate with others.
- An enthusiastic and ambitious individual with both technical and practical ability.
- Fast learner.

Languages

- Arabic (Mother Language).
- English (Advanced Level).

References

Available upon request