

Nabeel K. Abbood

Resume

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Profile

Lecturer/Instructor in Process Engineering with valuable combination of theoretical and practical experience covered water treatment, power generation, oil & gas and academia.

Technical competence

- Process commissioning and start-up.
- Process and multiphysics simulation.
- Lecturing/training on both academia and industry levels.
- Statistical analysis, design of experiment and engineering computing.

Core capabilities

- Accomplish objectives and work well with-out direction.
- Excellent at troubleshooting equipment or situations.

Education

2011–2015 **Ph.D.**, *Chemical Engineering*, The University of Nottingham.

2008–2010 **M.Eng.**, *Chemical Engineering*, Universiti Teknologi Malaysia.

1994–1998 **B.Sc.**, *Chemical Engineering*, University of Basrah.

Publication

Characterization and biodegradation study of polymer hydrogel composite based on natural fibers. Waham Asahier Laftah, Nabeel K Abbood, Wan Aizan Wan Abdul Rahman — International Journal of Research in Engineering and Innovation, 2018

A combined numerical and visualization tool for utility targeting and heat exchanger network retrofitting. NK Abbood, ZA Manan, SR Wan Alwi — Journal of Cleaner Production, 2012

Experience

- 2017–now **Head of Oil and Gas Engineering Department**, *Basra University for Oil and Gas*, Iraq.
Main responsibilities are:
- Setting and developing the academic strategy of the department in line with collage and university plans and direction.
 - Develop an appropriate structures for management, consultation, decision-making and communication with staff and students.
 - Fulfilment of the University's responsibilities concerning students in respect of their admission, instruction, progress and examination.
 - Develop new curriculum in order to prepare students to job market.
 - Ensure all activities are carried out to the highest possible standards and put in place the necessary evaluation and monitoring procedures to ensure both compliance and improvement.
- 2016–now **lecturer**, *Basra University for Oil and Gas*, Iraq.
Working alongside college of engineering faculty's members to support learning activities. Major duties were:
- Conducting lectures and tutorials for different subjects such as: Process Dynamics and control, Chemical Engineering Fundamentals and Technical Report Writing.
 - Instruct and supervise student on laboratory sessions
- 2015–2016 **Lead Commissioning Engineer**, *Iraq Technology Company General Contracting*, Iraq.
For the project of Provision of installation and commissioning of fuel gas conditioning unit and associated equipment for 15 megawatt power plant for Garraf oil field development facility operation. My responsibilities were:
- Participating in the process mechanical completion and commissioning.
 - Manage process start-up and performance test run.
 - Training client's personnel on operation and maintenance of the process. Training program included:
 - Describing the process and its operation philosophy.
 - Describing each equipment operation principles, rule and its operation conditions. Equipment covered in this training program are: 1. Oil-flooded screw compressors, 2. Oil-Gas separators, 3. Lube oil system, 4. Chiller units, 5. Hydrocarbon membrane, 6. Control and shutdown valves.
 - Narrating on process control philosophy and process troubleshooting
 - Preparing the project final documentation.
- 2006–2007 **Lead Site Commissioning Engineer**, *Fluor Amec JV*, Iraq.
\$266-Million water treatment plant project where my main duties were:
- Completion, pre-commissioning, commissioning and start-up of the plant processes.
 - Instructing the plant operating and maintenance personnel on the operation and maintenance of the plant process with emphasize on:
 - Describing the process and its operation and control philosophy.
 - Describing each equipment operation principles, rule and its operation conditions.
 - Narrating on process control, instrumentation, PLC and SCADA systems
 - Instruct plant personnel on the working principles, calibration, operation and maintenance of different types of valves used at this plant such as: 1. Electrical Check-Valve, 2. Altitude valve and 3. Pressure Reducing & Sustaining Valve.
- 2006–2006 **Chemical Cleaning Engineer**, *Al-Yamama Engineering Co.*, Iraq.
- Successfully managed and completed the chemical cleaning for lube & seal oil systems for the NGL/LPG gas-turbine-driven centrifugal compressors for the South Gas State Co. and KBR.
 - Developed work procedures and technical execution plan with respect to API standards and the technical and safety requirements of the main contractor (KBR) and the client (SGC).

- 2005–2006 **Site Commissioning Engineer**, *Fluor AMEC JV*, Iraq.
 New 2x300 MW GE Power Gas Turbine Plant. My main duties were:
- Performing commissioning tasks on the (i) Natural gas conditioning unit, (ii) Boiler unit and (iii) Water treatment unit.
 - Assisting in the plant's operators training program.
 - Manage the project information technology infrastructure.
- 2003–2004 **Communication and Information Systems Manager**, *Erinys Iraq Security Ltd.*, Iraq.
- Managing and operating of nation-wide oil security and safety radio communication system.
 - Installation and operation of VHF/HF repeaters, base station, mobile station, and hand-held radios.
 - VSAT, LAN, and WLAN installation, operating and maintaining on multiple bases and remote sites across north region of Iraq.
- 2003–2003 **Local Assistant**, *Coalition Provisional Authority, CPA, South Region*, Basra-Iraq.

Awards

- 2010 University of Nottingham Malaysia Campus Postgraduate Scholarship
 2009 Teaching Assistance Award – Universiti Teknologi Malaysia

Computer skills

Advanced MATLAB, Microsoft Project, Aspen Plus, UniSim Design, JMP, COMSOL MULTYPHYSICS, GAMS, L^AT_EX, OpenOffice, Linux, Microsoft Windows

Languages

English	Advance	<i>Professional working proficiency</i>
Arabic	Mothertongue	