

# Dr. WAHID ALI

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Address: Building 6712, King Khalid Road, Ar Rawdah district, Jazan, Post Code 82723,  
KSA.

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## CAREER PROFILE

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Ph.D. in Chemical Engineering.

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## EDUCATION

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**Ph.D. in Chemical Engineering**  
**Yeungnam University, S. Korea**

02 Sep 2013 – 22 Aug 2018

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**Thesis Title:** Performance Enhancement, Optimization, and Uncertainty Quantification with Reliability Analysis of Liquefaction Process for LNG Production.

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**M.Tech in Chemical Engineering** (Specialized in Process  
Modelling & Simulation)  
**Aligarh Muslim University, India**

July 2008 – May 2011

- Dissertation Title: Modeling of batch reactive distillation.
  - Project: Simulation of Compact Plate Heat Exchanger using MATLAB simulation software.
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**B.Tech in Petrochemical Engineering**  
**Aligarh Muslim University, India**

July 2003 – May 2007

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## ACADEMIC PROJECTS (Ph.D.)

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### 1. Sequential Batch Reactor (SBR)-Anammox

Apr 2017– Mar 2018

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**SBR-Anammox System Modeling & Simulation for Complete Autotrophic Nitrogen Removal (CANR)** from municipal wastewater plant side stream. Sponsored by Doosan Heavy Industries Limited, Korea.

### Responsibilities/Achievements

- Development of conceptual control philosophy for CANR.
  - Development of Anammox model and simulation for the single stage Sequential Batch Reactor (SBR).
  - Model parameter estimation and its calibration.
  - Development of soft sensing devices based on ANN.
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## **2. Retrofit & energy efficient optimal synthesis of LNG**

Feb 2013 – Mar 2017

Design, optimization and Operational feasibility study of LNG process plant. The research was funded by Gas Plant and Engineering Development Research Center (EDRC), by the Ministry of Trade, Industry & Energy (MOTIE) and by Priority Research Centers Program through the National Research Foundation of Korea (NRF), Ministry of Education.

### **Responsibilities/Achievements**

- Project responsibilities include; Simulation studies of the representative NG liquefaction technologies. Performing optimization studies and applying uncertainties approaches for the representative processes.
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### **TECHNICAL SKILLS**

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- Chemical Engineering Software: Aspen Hysys, Unisim Design, Aspen Plus
  - Computational Software: Matlab
  - Experienced Microsoft Office Suite user (Word, Excel, Power Point) & other: Latex
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### **PUBLICATIONS/CONFERENCE**

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- Researcher id: <http://www.researcherid.com/rid/U-7460-2017>
  - Research gate id: [https://www.researchgate.net/profile/Wahid\\_Ali3](https://www.researchgate.net/profile/Wahid_Ali3)
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### **EMPLOYMENT**

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**Assistant Professor**  
**Jazan University, Jazan KSA.**

08 Nov 2018 – Present

- Teaching chemical engineering curriculum core courses
  - Involved in the chemical engineering lab
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**Research Assistant**  
**Yeungnam University, S. Korea**

03 Mar 2015 – 29 Aug 2015

- Train and supervise students in Chemical Engineering Courses
  - Conducting lab for UG students
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**Assistant Professor**  
**Banasthali University, India**

10 Nov 2010 – 14 May 2013

- Taught chemical engineering curriculum core courses to undergraduate students
  - Co-designed a new course structure entitled as Modeling and Simulation
  - Trained and supervised undergraduate students in Chemical Engineering Courses
  - Delivered a good quality learning experience to students which was met with consistently positive feedback by independent faculty evaluation.
  - Developed Heat and Process Control lab for UG students (UGS).
  - Lab in charge of Heat and Process Control lab 2011-12 to 2013-2014.
  - Developed/Modified course structure for Process Modeling & Simulation for UGS.
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**Faculty Member (Guest)**  
**Aligarh Muslim University, India**

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22 Dec 2009 – 23 Jun 2010

- Taught chemical engineering curriculum core courses to undergraduate students
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**Project Engineer (Trainee)**  
**MVS Engineering Limited, India**

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02 Jan 2008 – 30 Jun 2008

- Achieved skill for planning project & engineering activities
  - Accountable for organizing and participating in project review meetings for project progress
  - Achieved skill to prepare and furnish monthly project progress report
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#### MEMBERSHIP

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**Volunteer Services**  
**International Association of Engineers (IAENG) No.: 172859**

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July 2016 – Present

- IAENG is a non-profit international association for the engineers and the computer scientists was founded in 1968.
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#### EXTRA CURRICULAR ACTIVITIES

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**Volunteer Services**  
**At Coaching & Guidance Centre, AMU, India.**

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Aug 2008 – Oct 2010

- Organize: Guest Lectures, Seminars & Career workshops for the students of AMU
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#### SCHOLARSHIPS, AWARDS & HONORS

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Google Scholar **Citations Index: 62**, h-index: 4, i10-index: 4      Since 2013 – Present

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**Best Poster Award**, Korean Institute of Chemical Engineers, Rep. of Korea.      Apr 2016

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**Ph.D. Program:** Brain Korea (BK) Scholarship awarded for Ph.D. Program, Tuition and living support.      Sep 2013 – Feb 2017

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Qualified Graduate Aptitude Technical Exam (GATE), conducted by IIT-Bangalore, 2009.      Feb 2008

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Qualified for Maulana Azad Scholarship at the undergraduate level.      Jun 2005 – May 2007

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**Declaration:** I hereby declare that all the information given above is true to the best of my knowledge.

Dr. Wahid Ali  
Assistant Professor  
Jazan University, Jazan KSA.