

Education

Gottfried Wilhelm Leibniz University Hannover , Institute for Thermodynamics, Faculty of Mechanical Engineering, Germany . Doctor of Engineering (Dr.-Ing.).	Oct.2011-Oct.2014
DID Deutsch Institute - Higher German Language Diploma , Berlin , Germany .	Oct.2010-Mar.2011
University Of Khartoum , Faculty of Graduate College, Department of Chemical Engineering, Master of Science in Chemical Engineering, Khartoum, Sudan .	2007-2009
University Of Khartoum , Faculty of Engineering, Department of Chemical Engineering, Bachelor of Science (Honours) in Chemical Engineering,(First Class), Khartoum- Sudan .	2001-2006

Experience

Assistant Professor, University of Khartoum, Faculty of Engineering, Chemical Engineering Department, Sudan. Teaching and Administrative -related responsibilities:	Dec.2014-present
<ul style="list-style-type: none">- Chemical Engineering Thermodynamics.- Process Instrumentations.- Thermodynamics of Mixture.- Molecular Thermodynamics of Fluid Phase Equilibria.- Ionic liquids and polymer thermodynamics.	
Research Assistant, Institute for Thermodynamics, Faculty of Mechanical Engineering, Gottfried Wilhelm Leibniz University Hannover- Germany.	Oct.2011-Oct.2014
RWE-Power Plant, Düsseldorf-NordrheinWestfalen-Germany.	May.2013
BASF-Chemical Company, Düsseldorf-Nordrhein-Westfalen-Germany.	May.2013
Anton Paar GmbH, Stuttgart-Germany. Accurate Density Measurements of Fluids , Vibrating Tube Densitometer Apparatuses.	April.2013
Research Assistant, Institute for Thermodynamics, Faculty of Mechanical Engineering, Helmut Schmidt University-University of the Federal Armed Forces- Hamburg-Germany.	Mar.2011-Oct.2011
Lecturer, University of Khartoum, Faculty of Engineering, Chemical Engineering Department, Sudan. Teaching-related responsibilities - holding office hours; grading homework and exams; administering tests, exams; and assisting professors in lecture class, laboratories work, discussion sessions, research assistant activities. <i>mainly in the subjects:</i> <ul style="list-style-type: none">- Process and Plant Design.- Engineering Management.- Process Safety & Environmental Engineering.- Unit Operation and Chemistry Lab.	2009-2010

Technical Skills

Improving skills in:

Microsoft Office applications, Using Internet, Chemcad, Superpro. Designer, EES Program, MATLAB, HYSYS, Dortmund Data Bank (DDB), ThermoSolver, Refprop, ANSYS, Computational fluid dynamics, Fluent, COSMOtherm.

Awards

- Ministry of Higher Education, scholarship for M.Sc program, **2007-2009**, Sudan.
- German Academic Exchange Services (DAAD), scholarship for Doctoral program, **2010-2014**, Germany.

Organizational Skills

- Member, Sudan Engineering Society, **SES**.
- Member, Association of German Engineers (Verein Deutscher Ingenieure, Nr.11122263, **VDI**).
- Reporter, Chemical Engineering Department, Khartoum University, 2015.
- Member of department issuing committee for B.Sc and M.Sc. certificates.

Languages Spoken

	Understanding	Speaking	Writing
Arabic	Excellent	Excellent	Excellent
English	V. Good	V. Good	V. Good
German	V. Good	Good	Good

Publications

- 1- Momin E. Abdalla: Density and Phase Equilibria of the Environmentally Friendly Refrigerant Mixture {R152a, R365mfc}; Dichte und Phasengleichgewichte des umweltvertraglichen Kaltemittelgemisches {R152a, R365mfc}, Doctoral dissertation:
 - Deutsche National Bibliothek, DDC: 621.564., Frankfurt, Leipzig, Germany, **2014**.
<https://portal.dnb.de/opac.htm?method=simpleSearch&cqlMode=true&query=idn%3D1065074107>
 - Technische Universitätsbibliothek Hannover, Diss., VIII, Hannover, Germany, **2014**.
<http://www.gbv.de/dms/tib-ub-hannover/80293255x.pdf>
- 2- Momin E. Abdalla, H. Pechmann, Jannis M. Ebhardt, S. Kabelac: *Density of the Refrigerant Mixture of R365mfc and R152a: Measurement and Prediction*; Scottish Journal of Arts, Social Sciences and Scientific Studies SJASS, Volume 26, ISSN: 2047-1278, **2015**.
- 3- Momin E. Abdalla, H. Pechmann, Jannis M. Ebhardt, S. Kabelac: *Method of Measuring the Vapor Pressure and Concentration of Fluids using VLE and Vibrating Tube Densitometer Apparatuses*; Scottish Journal of Arts, Social Sciences and Scientific Studies SJASS, Volume 26, ISSN: 2047-1278, **2015**.
- 4- Momin E. Abdalla: *Excess Gibbs Energy and Saturation Pressure of the Environmentally Friendly Refrigerant Mixture : R365mfc and R152a*, IJRASET, Volume 3 Issue I, ISSN: 2321-9653, **2015**.
- 5- Momin E. Abdalla: *Exergy Performance of the Environmentally Friendly Refrigerant Mixture: R365mfc and R152a*, IJRASET, Volume 3 Issue I, ISSN: 2321-9653, **2015**.
- 6- Momin E. Abdalla: *Saturated Virial Coefficient of the Environmentally Friendly Refrigerant Fluids : R365mfc and R152a*, IJRASET, Volume 3 Issue I, ISSN: 2321-9653, **2015**.

Conferences

- Momin E. Abdalla, Jannis M. Ebhardt, S. Kabelac: Dichtemessanlage nach dem Biegeschwingerprinzip und Rezirkulation Phasengleichgewicht Apparatur. Conference of the Deutscher Kälte- und Klimatechnischer Verein

(DKV - German Society for Refrigeration and Air Conditioning) from 20-22 November 2013 in Hannover, Germany.

- **Momin E. Abdalla**, Siddharth Pannir: Density of the Refrigerant Fluids of R365mfc and R152a: Measurement and Prediction. **16th International Refrigeration and Air Conditioning Conference at Purdue, July 11-14, 2016, USA.**
- **Momin E. Abdalla**, Siddharth Pannir: Method of Measuring the Vapor Pressure and Concentration of Fluids Using VLE and Vibrating Tube Densitometer Apparatuses. **16th International Refrigeration and Air Conditioning Conference at Purdue, July 11-14, 2016, USA.**

Reports

- **Momin E. Abdalla**, Alwaseela S., Kamal Nasr A., Abdalla Khogali A., Kamal Eltayeb Y.: Techno- economic Feasibility Study for the Development of the Faculty of Engineering, University of Khartoum, Study prepared for Islamic Development Bank, **2008**, Sudan.
- **Momin E. Abdalla**: Africa in the Global Research Landscape & Prospective Cooperation with Germany 'Sudan as case study'; report submitted to DAAD Referat 413, Boon, **November 2011**, Germany.

Certification

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Date: July , **2016**