



Dr. Sarah Ali I. Aldulaijan

ASSISTANT PROFESSOR

Personal Data

Nationality | Saudi

Department | Chemistry

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Language Proficiency

Language	Read	Write	Speak
Arabic	✓	✓	✓
English	✓	✓	✓

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2000-2003	Bachelor of Science in Chemistry	University of Dammam	KSA
2005-2006	English as a Second language (ESL) program	University of Texas at Austin	USA
2007-2008	MSc. Master degree in Molecular Modeling	Cardiff University	UK
2009-2012	PhD. in Theoretical and Computational Chemistry (Computational Drug Design)	Cardiff University	UK
2016-2017	Post-Doc at Mechanical Engineering Department (Saudi Aramco Ibn Khaldun Fellowship).	Massachusetts Institute of Technology (MIT)	USA

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Assistant Professor	Imam Abdulrahman Bin Faisal University, KSA.	2013- current
Post-Doc	Mechanical Engineering Department, MIT, USA.	2016-2017
Teaching Assistant	School of Chemistry, Cardiff University, Wales, UK.	2010

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Assistant Director	Centre of Scientific Publications, University of Dammam, KSA	2013-2016



Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	M. Dhifallah, A. Dhouib, S. Aldulaijan, F. Direnzo and H. Guesmi	Investigation of surface changes in Au-Cu alloys under CO, NO and O ₂ reactive gases.	The Journal of Chemical Physics, 145, 2016
2	S.Aldulaijan, J.A. Platts	Prediction of Peptide Binding to Major Histocompatibility II Receptors with Molecular Mechanics and Semi-Empirical Quantum Mechanics Methods	Journal of molecular Biochemistry, 1, 2012, 54-64
3	S. Aldulaijan, J.A. Platts	Quantum Chemical Methods for Calculation of Non-Covalent Interactions in Biological Molecules	Current Physical Chemistry, 2, 2012, 314-323.
4	S. Aldulaijan, J.A. Platts	Theoretical prediction of a peptide binding to major Histocompatibility complex II	Journal of Molecular Graphics and Modelling, 29, 2010, 240-245

Membership of Scientific and Professional Societies and Organizations

- Member of Saudi Chemical Society, KSA, 2016-2017.
- Member of Saudi Arabian International Chemical Sciences Chapter of the American Chemical Society (SAICSC-ACS), KSA, 2010- Current.
- Member of the council of the Center of Scientific Publications, University of Dammam, KSA, 2013- 2016.
- Member of the council of the Department of Chemistry, University of Dammam, KSA, 2013- Current.
- Member of Arbitration of the National Olympiad Competition (talent) path of scientific research, KSA, 2014.
- Member of Molecular Graphics and Modeling Society, London, UK, 2014.
- Member of the Knowledge Management committee, IAU, 2018-Current.

Last Update

16/1/2019