

(Resume Curriculum)

First part; Personal Information, Employment History and Scientific Degrees

Personal Information:

Name: **Asma Abdullah M Alothman**

Nationality: Saudi

Languages: Arabic and English

Email: aaalothman@ksu.edu.sa

Employment History:

- Lecturer, Department of Chemistry, King Saud University, Riyadh, Saudi Arabia (2014 - 2017)
- Graduate researcher in the department of chemistry, Oklahoma State University, Stillwater, Oklahoma, United State of America, with scholarship from King Saud University, Riyadh, Saudi Arabia (since 2010-2016)
- Teaching Assistant, Department of Chemistry, King Saud University, Riyadh, Saudi Arabia (2010-2014)

Scientific Degrees:

1. Doctor of Philosophy: Department: Chemistry. University: Oklahoma State University. University location: (City, Country): Stillwater, Oklahoma, United State of America. Date of Obtaining Degree: 12/10/2016. Title of PhD dissertation: The Synthesis and Applications of Tungsten and Vanadium Oxides/Oxyhydroxides in both Bulk and Nanoparticulate Forms, advisor name: Prof: Allen Apblett. Major: Inorganic chemistry
2. Master's degree: Department: Chemistry. University: King Saud University. University location: (City, Country): Riyadh, Saudi Arabia. Date of Obtaining Degree: 1/7/2008. Title of Master thesis: Kinetic formation of Magnesium Chromite before and after Gamma irradiation, advisor's name: Prof. Khalid Al-Farhan, co-advisor's Name: Prof. Refaat Mahfouz. Major: Inorganic chemistry
3. Bachelor of Science degree: Department: Chemistry. University: King Saud University. University location: (City, Country): Riyadh, Saudi Arabia. Date of Obtaining Degree: 2/7/2003. Title of Research project: Synthesis and characterization of cobalt isomers, supervisor: Dr. Waad Al-Kayali. Major: Chemistry

Second Part; Courses, Skills, Grants and Scholarship Awards

A. Courses:

1. Research Methodology Training Course, Research Centre, King Saud University, Riyadh, Saudi Arabia

2. 'Data input and processing' training course, King Saud University, Riyadh, Saudi Arabia
3. 'Programming with Basic' training course, King Saud University, Riyadh, Saudi Arabia
4. 'MS PowerPoint' training course, King Saud University, Riyadh, Saudi Arabia
5. 'Web page design' training course, King Saud University, Riyadh, Saudi Arabia
6. 'Photoshop' training course, King Saud University, Riyadh, Saudi Arabia
7. English language course 'TOEFL level', Riyadh, Saudi Arabia
8. Intensive English program course, FLS, Boston Commons, Massachusetts, United State of America
9. Intensive English program course, ELI, Oklahoma state University, Stillwater, Oklahoma, United State of America

B. Skills:

1. Computing Skills:

- Applications: Microsoft office suite (Word, PowerPoint, Excel and FrontPage), Internet Explorer, Photoshop Pro, Widows Movie maker, Chem Draw, Chem Office, and Origin Lab
- Programming Languages: Visual Basic
- Operating Systems: Macintosh, Windows Vista and Windows XP

2. Other Skills:

- Knowledge of research methodologies
- Writing and presenting articles (orals and posters) in several conferences
- Data analysis and graphing software: experience with origin lab
- Data and information collection

C. Grants:

1. Grant from King Abdulaziz City for science and technology, Saudi Arabia (\$12,600)
2. Grant from Research Center, King Saud University, Saudi Arabia (\$2,600)

D. Scholarship Awards:

1. SABIC Innovation Award, Riyadh, Saudi Arabia, 2016
2. Award for the best posters in the third place at the 60th ACS Pentasectional Meeting, Pittsburg, KS, USA, April 11, 2015
3. Honor for outstanding student from Phi Kappa Phi from chemistry department, Chapter at Oklahoma State University, Stillwater, OK, 2013
4. Honor from Saudi Arabian Cultural Mission to the USA for outstanding contribution to the Saudi Student Club served as a vice-president at Oklahoma State University, Stillwater, OK, 2013
5. Scholarship offered by King Saud University to Study Ph.D. degree in United States of America, 2010
6. Award for the best posters in the first scientific Conference of higher education for female and male students, female student branch, 2010
7. Honor with Excellence from King Saud University, Riyadh, Saudi Arabia, 2009
8. Gold Medal with excellence in the preparatory meeting for the first scientific Conference of female and male students of higher education, 2009.
9. Honor for outstanding student from chemistry department, King Saud University, Riyadh, Saudi Arabia, 2003

The Third Part; Participation in Conferences, Symposia and Other Activities

A. Conferences:

1. ²⁵²th American Chemical Society (ACS) National Meeting & exposition Philadelphia, PA , USA, August 21-25, 2016, participation type: presented a poster
2. ²⁵¹th American Chemical Society (ACS) National Meeting & exposition San Diego, CA, USA, , March 13-17, 2016, participation type: presented a poster
3. The 2016 Pentasectional Meeting, Northern Oklahoma local ACS section, USA, April 8, 2016, participation type: presented a poster
4. ²⁵⁰th American Chemical Society (ACS) National Meeting & exposition Boston, MA, USA, August 16-20, 2015, participation type: presented a poster
5. ²⁴⁹th American Chemical Society (ACS) National Meeting & exposition Denver, CO, USA, March 22-26, 2015, participation type: oral presentation
6. ⁶⁰th ACS Pentasectional Meeting, Pittsburg, KS, USA, April 11, 2015, participation type: presented a poster
7. ²⁴⁸th American Chemical Society (ACS) National Meeting & exposition San Francisco, CA, USA, August 10-14, 2014, participation type: presented a poster
8. ²⁴⁷th American Chemical Society (ACS) National Meeting & exposition Dallas, Texas, USA, March 16-20, 2014, participation type: presented a poster
9. ²⁴⁶th American Chemical Society (ACS) National Meeting & exposition Indianapolis, IN, USA, September 8-12, 2013, participation type: presented a poster
10. ²⁴⁰th American Chemical Society (ACS) National Meeting & exposition Boston, MA, USA, August 22-26, 2010, participation type: attendance
11. The first scientific Conference of higher education for female and male students, Riyadh, Saudi Arabia, 1-4/3/2010, participation type: a poster
12. The first preparatory meeting for Conference of higher education for female and male students, King Saud University, Riyadh, Saudi Arabia, 9-10/12/2009, participation type: organizer; member of the scientific committee and supervisor of the scientific exhibition team
13. The International Conference for Nanotechnology Industries “The Leading Technology of ²¹st Century”, Riyadh, Saudi Arabia, 5-7/03/2009, participation type; attendance
14. International Conference on Nanotechnology: Opportunities and Challenges, Jeddah, Saudi Arabia, 17-19/06/2008, Participation type; poster entitled: “Synthesis and characterization of nanocrystalline Pirochromite spinel obtained through modified polymerized complex method”
15. The Third Saudi Conference on Science, (New Trends for Science and it's Applications), College of Science, King Saud University, Riyadh, Saudi Arabia, 10-13/3/2007, participation type: attendance
16. The third Conference for The International Congress of Chemistry and Environment, Kuwait, 18-20/11/2007, participation type; oral presentation

entitled: Kinetic studies for MgCr_2O_4 formation before and after γ -irradiation by Nonisothermal Thermogravimetry

B. Symposia:

1. The first 'young investigators symposium', 2009, Research center, College of Science, King Saud University, KSA , Riyadh, participation type; One oral presentation and three posters.
2. International Symposium in university technology transfer and innovation management (patents, IP), 2008, King Saud University, Riyadh, Saudi Arabia, participation type: attendance.
3. The first workshop on the vision and plans of the leaders at King Saud University (strategic planning project), 2008, Riyadh, Kingdom of Saudi Arabia, participation type: attendance.
4. Workshop (Nano Research at Universities: The Road toward Fulfilling the Vision of Custodian of the Two Holy Mosques), 2007, King Saud University, Riyadh, Kingdom of Saudi Arabia, participation type: attendance.

C. Other Activities:

1. Membership of Scientific Associations:
 - Membership in the Honor Society of Phi Kappa Phi
 - Member of American Chemical Society
 - Member of Saudi Chemical Society
 - Member of Student Partnership Program (2009-2010)

The Fourth Part; Research Work

A. Patents:

- 1) patent within the research group CHUNG, DooSoo; KANG, Keonwook; JEON, Yonghyun; KIM, Younghwa; ALOTHMAN, Zeid A; AHMED, Ahmed Yacine Hadj; CHOI, Kihwan; AIMAJID, Abdullah M; PIAO, Jingyu; ALOTHMAN, Asma A; QUAN, Bo, 'FLUORESCENT SILICA NANOPARTICLE WITH RADIOACTIVE TAG AND THE DETECTING METHOD OF PET AND FLUORESCENT DUAL IMAGING USING THEREOF', PCT Int. Appl. (2010), WO 2010030120 A2 20100318.
- 2) patent within the research group CHUNG, DooSoo; CHOI, Kihwan; QUAN, Bo; ALOTHMAN, Zeid A; ALKHATHLAN, Hamad Z; ALFARHAN, Khalid A; ALWARTHAN, Abdulrahman A; ALOTHMAN, Asma A, 'ICG DOPED SILICA NANOPARTICLES FOR BIOLOGICAL IMAGING AND PREPARATION METHOD THEREOF', PCT Int. Appl. (2011), WO 2011046288 A2 20110421.

B. Papers Published or Accepted for Publication in Academic, Specialized, and refereed Journals:

- 1) Asma. A. AL-Othman*, Khalid. A. AL-Farhan and Refaat. M. Mahfouz " Kinetic Analysis of Isothermal decomposition of $(\text{Mg}_5(\text{CO}_3)_4(\text{OH})_2 \cdot 4\text{H}_2\text{O}/5\text{Cr}_2\text{O}_3)$ Crystalline Mixture", JSCS, Vol.12(2), 155-164, (2008).

- 2) Asma. A. AL-Othman*, Khalid. A. AL-Farhan and Refaat. M. Mahfouz " Kinetic Analysis of Nonisothermal decomposition of $(\text{Mg}_5(\text{CO}_3)_4(\text{OH})_2 \cdot 4\text{H}_2\text{O}/5\text{Cr}_2\text{O}_3)$ Crystalline Mixture", Journal of King Saud University - Science, Vol.22(2), 133-143, (2009).

C. Papers submitted to academic and specialized conferences, which are refereed and published in full in the conference preceding:

- 1) Asma. A. AL-Othman*, Khalid. A. AL-Farhan and Refaat. M. Mahfouz "Kinetic studies for MgCr_2O_4 formation before and after γ -irradiation by Nonisothermal Thermogravimetry" IMPACT 2007, 18-20/11/2007, Kuwait.
- 2) Asma. A. AL-Othman*, Khalid. A. AL-Farhan and Refaat. M. Mahfouz "Synthesis and Characterization of Nanocrystalline Pirochromite spinel obtained through modified polymerized complex method" International Conference on Nanotechnology: Opportunities and Challenges, 17-19/06/2008, KSA, Jeddah