



Curriculum Vitae

PERSONAL

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|----------------|---------------------------|
| Name | Suliman Ahmad M Alderhami |
| Address | Al-Qunfudhah - Hali |
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| Email | saldarhami@bu.edu.sa |
| Date of birth | 12-02-1988 |
| Gender | Male |
| Nationality | Saudi |
| Marital status | married |

RESUME OBJECTIVE

I am currently Assistant Professor at Faculty of Science and Arts in al-Makhwah at Al-Baha University. Now, I am concerned in researching inorganic and organic thin films and nanomaterials for a range of applications including, optoelectronics and photovoltaic power generation. I am really interested in collaborating internationally with a range of chemists and physicists to achieve our goals.

WORK EXPERIENCE

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| Sep 2010 - Jul 2011 | Teacher <i>The Ministry of Education, Riyadh</i> |
| Jul 2011 - Jul 2016 | Teaching Assistant <i>AL-Baha University, Al-Baha</i> |
| Jul 2016 - Dec 2020 | lecture <i>Al-Baha University, Al-Baha</i> |
| Dec 2020 - Present | Assistant Professor <i>Al-Baha University, Al-Baha</i> |

EDUCATION AND QUALIFICATIONS

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|---------------------|--|
| Sep 2007 - Jul 2010 | Bachelor of Chemistry <i>Umm Al Qura University, Mecca</i> |
| Sep 2014 - Nov 2015 | Master of Chemistry <i>The University of Manchester, The UK</i> |
| Jul 2016 - Jul 2020 | PhD of Material Chemistry <i>The University of Manchester, The UK</i> |

COURSES

COSH and risk assessment
The University of Manchester. UK

FSE GTA Marking and Feedback
The University of Manchester. UK

FSE GTA Learning Outcomes and Lesson Plans
The University of Manchester. UK

FSE GTA Teaching Skills
The University of Manchester. UK

Laser Safety Training
The University of Manchester. UK

PUBLICATIONS

1- Journal articles: Alderhami, Suliman A., David Collison, David J. Lewis, Paul D. McNaughten, Paul O'Brien, Ben F. Spencer, Inigo Vitorica-Yrezabal, and George Whitehead. "Accessing γ -Ga₂S₃ by solventless thermolysis of gallium xanthates: a low-temperature limit for crystalline products. Dalton Transactions, 2019, 48, pp. 15605-15612.

2- Journal articles: Murtaza, Ghulam, Suliman Alderhami, Yasser T. Alharbi, Usama Zulfiqar, Mousa Hossin, Abdulaziz M. Alanazi, Laila Almanqur, Emmanuel Usman Onche, Sai P. Venkateswaran, and David J. Lewis. "Scalable and Universal Route for the Deposition of Binary, Ternary, and Quaternary Metal Sulfide Materials from Molecular Precursors." ACS Applied Energy Materials, 2020, 3(2), pp. 1952-1961.

3- Synthesis and characterisation of Ga and Indoped CdS nanoparticles from single source precursors by solventless thermolysis (Accepted)

4- Low Temperature synthesis of MIn₂S₄ (M= Mn, Fe, Co, Ni, Zn and Cd) powders and thin films from dithiocarbamate precursors (Submitted)

CONFERENCES

Poster presentation "Accessing γ -Ga₂S₃ by solventless thermolysis of gallium xanthates: a low-temperature limit for crystalline products" in 14th International conference on materials chemistry (MC14) on 8 -11 July 2019 at the Aston University in Birmingham. Organized by the Materials Chemistry Division of the Royal Society of Chemistry, United Kingdom.

INSTRUMENTAL TECHNIQUES/ HANDS ON EXPERIENCE

- Preparation and structural determination of metal complexes
 - Preparation of nanoparticles using a variety of methodologies
 - Preparation of thin metal films by a variety of techniques
 - Characterisation of nanomaterials using X-ray diffraction, transmission electron microscopy, scanning electron microscopy and ultraviolet methods
 - Investigating new materials for solar cell production using synthetic chemistry to
 - prepare materials, such as xanthates, for study by NMR spectroscopy and crystal structure determination. Derived solid state materials are further characterised by electron microscopy (TEM, SEM) and X-ray diffraction.
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LANGUAGES

Arabic Native

English Fluent

REFERENCES

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