

Dr. Wala Gazey Mahmood Dizayee

PhD (Condensed Matter and Nano Materials)

Salahaddin University–Erbil–Iraqi Kurdistan Region Erbil

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Google Scholar: <https://scholar.google.com/citations?user=JRCx4wUAAAAJ&hl=en>

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EDUCATION

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| 2012 - 2017 | The University of Sheffield, Faculty of Science, Department of Physics and Astronomy, Ph.D.
Major: Condensed Matter Physics- Nano Magnetic Oxides and 2D materials.
Supervisor: Professor Gillian Gehring |
| 2004 - 2007 | Salahaddin University, College of Science Education, Physics Department. M.Sc.
Major: Physics, Plasma Physics.
Supervisor: Professor Mohammed Mustafa. |

1997 - 2001 Salahaddin University, College of Science Education, Physics Department. B.Sc.
Major: Physics

ACADEMIC EMPLOYMENT

September 2018-
Present **Head of General Science Department**, Salahaddin University, College of Basic Education, Science Department.

February 2018-
Present **Manager of College Laboratory Unit**, Salahaddin University, College of Basic Education, Science Department.

October 2014 -
May 2016 **Undergraduate Teaching Assistant/Assistant Instructor (Lab demonstrator)** The University of Sheffield, Faculty of Science, Department of Physics and Astronomy.

May 2011-
Present **Lecturer**, Salahaddin University, College of Basic Education, Science Department.

February 2010-
September 2011 **Manager of College Registrar Unit**, Salahaddin University College of Basic Education, Science Department.

February 2009-
February 2010 **Science Department Acolyte, Rapporteur of the department**, Salahaddin University, College of Basic Education, Science Department.

August 2007 -
May 2011 **Assistant Lecturer**, Salahaddin University, College of Science Education, Physics Department.

March 2002 -
October 2004 **Undergraduate Teaching Assistant/Assistant Instructor (Lab demonstrator)**, Salahaddin University, College of Science Education, Physics Department.

QUALIFICATIONS AND SKILLS

- 2017 **Experience Work Certificate**
Issued by The University of Sheffield, Faculty of Science, Department of Physics and Astronomy, for working as Undergraduate Teaching Assistant/Assistant Instructor (Lab demonstrator).
- 2012 **Scholarship**
The Higher Committee of Education Development (HCED) in Iraq Scholarship programme, sponsored by the Prime Minister of Iraq and membership of the minister of Higher Education and Scientific Research.
- 2009 **Outstanding Award**
Awarded for a 1 month course of Information Technology Academy Training (IT) (PowerPoint 2007 + Adobe Captivate3 + Camtasia Studio4) From the Council of Ministers, Department of Information Technology, Information Technology Academy.
- 2009 **Cisco Academy Constructor Training (IT) Award**
Salahaddin University, Engineering college, IT Department, A course of 3 months
- 2007 **Teaching Methods Award**
Salahaddin University, Continuing Education Unit. A course of Teaching Methods for 3 months
- 2001 **Outstanding Undergraduate Student**
B.Sc. Graduated with Rank (1) in a Class of (20) Student, Salahaddin University, College of Science Education, Physics Department.

TEACHING AND ADVISING

- 1- General Physics, (Undergraduate) G. Science Department, College of Basic Education, University of Salahaddin Erbil-Iraq.

- 2- Modern Physics, (Undergraduate) G. Science Department, College of Basic Education, University of Salahaddin Erbil-Iraq.
- 3- Solar Energy, (Undergraduate) G. Science Department, College of Basic Education, University of Salahaddin Erbil-Iraq.
- 4- Thermodynamics, (Undergraduate) G. Science Department, College of Basic Education, University of Salahaddin Erbil-Iraq.
- 5- Mechanic, (Undergraduate) G. Science Department, College of Basic Education, University of Salahaddin Erbil-Iraq.
- 6- General Physics Lab, (Undergraduate) G. Science Department, College of Basic Education, University of Salahaddin Erbil-Iraq.
- 7- Electricity and Magnetism Lab, (Undergraduate) G. Science Department, College of Basic Education, University of Salahaddin Erbil-Iraq.
- 8- General Physics Lab, (Undergraduate) G. Science Department, College of Basic Education, University of Soran Erbil-Iraq.
- 7- Supervising research project – (Undergraduate), G. Science Department, College of Basic Education, University of Salahaddin Erbil-Iraq.
- 8- Teaching Methods of Science, (Undergraduate) G. Science Department, College of Basic Education, University of Salahaddin Erbil-Iraq.
- 9- Bio Physics, (Undergraduate) Science Department, University of Salahaddin Erbil-Iraq.
- 10- Optic lab, Modern Physics lab, Nuclear lab, Electricity Lab and Electronic lab, (Undergraduate) Department of Physics, College of Science Education, University of Salahaddin Erbil-Iraq.
- 11- General Physics Lab, Optic lab and Modern Physics lab, (Using Labview system) (Undergraduate), Department of Physics and Astronomy, Faculty of Science, The University of Sheffield,
- 12- Academic Debate, (Undergraduate) G. Science Department, College of Basic Education, University of Salahaddin Erbil-Iraq.

SPEAKING LANGUAGES

Kurdish / Native or bilingual proficiency.

Arabic / Native or bilingual proficiency.

English / Professional working proficiency.

PROFESSIONAL AFFILIATIONS AND SERVICES

Jury Member

The Essence of Quantum Mechanics Workshop 2018, ISHIK Uni- Erbil – Iraq.
Modern Physics Poster Presentation Workshop 2018, ISHIK Uni- Erbil – Iraq.

Memberships:

Magnetic Oxide Group- Sheffield Un.-UK since 2012
Kurdistan Physicists Syndicate - National
Kurdistan Teachers Union since
Kurdistan University teacher union
Kurdistan teachers union since 2001- National
IOP The Institute of Physics-UK since 2014 – International.

PUBLICATIONS

1- Measurement and Analysis of Magnetic and Magneto Optical Properties of Thin Films.

Wala G Dizayee. PhD Thesis, Department of Physics and Astronomy, Faculty of Science
,University of Sheffield 2017.

2- ZnO gap states investigated using magnetic circular dichroism.

Minju Ying, **Wala Dizayee**, Z. X. Mei, X. L. Du, A. Mark Fox and Gillian A Gehring, J.
Phys. D: Appl. Phys. 48 ,255502 (8pp), (2015).

3- **Advantageous use of metallic cobalt in the target for pulsed laser deposition of cobalt doped ZnO films.**

Minju Ying , Harry J. Blythe, **Wala Dizayee**, Steve M. Heald, Fatma M. Gerriu, A. Mark Fox, and Gillian A. Gehring, Appl. Phys. Lett. 109, 072403 (2016).

4- **Enhanced magnetic properties in ZnCoAlO caused by exchange-coupling to Co nanoparticles.**

Qi Feng, **Wala Dizayee**, Xiaoli Li, David S Score, James R Neal, Anthony J Behan, Abbas Mokhtari, Marzook S. Alshammari, Mohammed S. Al- Qahtani, Harry J Blythe, Roy W Chantrell, Steve M Heald, Xiao-Hong Xu, A Mark Fox and Gillian A Gehring, , New J. Phys. 18, 113040, (2016).

5- **Investigation of the distribution of localised and extended states in amorphous MoOx**

Wala Dizayee, Minju Ying, Jonathan Griffin, Mohammed S. Alqahtani¹, Alastair Buckley, A. Mark Fox and Gillian A Gehring, AIP Advances 8, 055118 (2018); <https://doi.org/10.1063/1.5027399>.

6- **Study of viscosity behavior for some alcoholic solution of TBABr at different Temperatures.** **Wala Dizayee**, Tikrit Journal of Pure Science 16(3) 2011.

7- **Study of hydrocarbon chain length on viscosity behavior of tetra butyl ammonium bromide solutions in different temperatures.** Mohammad J. Abdul-Gani, **Wala Dizayee**, Journal of Un. Of Anbar for Pure Science 3(2) 2009 .

8- **Numerical Study for Pure Nitrogen Gas Discharge.**

Nabhan A. K, Wala Dizayee, Tikrit Journal of Pure Science 16(2) 2011.

CONFERENCE & WORKSHOPS

1- Postgraduate Magnetism Techniques Workshop. National Science Learning Center, University of York, UK, 16-17 December 2013.

2- Xiaoli Li, Wala Dizayee, James R. Neal, Harry Blythe, Steve M. Heald A. Mark Fox and Gillian A. Gehring, Films containing some metallic cobalt exchange coupled to polarized defect states as a source of polarized electrons for spin injection, The 14th REIMEI Workshop on Spin Currents and Related Phenomena, ILL, Grenoble, France, on February 10-13, 2014.

3- Xiaoli Li, Wala Dizayee, James R. Neal, Harry Blythe, Steve M. Heald A. Mark Fox and Gillian A. Gehring, Films containing some metallic cobalt exchange coupled to polarized defect states as a source of polarized electrons for spin injection, IOP Magnetism2014, UK, University of Manchester, Manchester, April 07-08, 2014.

4- Wala Dizayee, Yalei Wang, A. Mark Fox and Gillian A. Gehring, Magneto- Optics Properties of Graphite and graphene, Graphene 2014, Toulouse (France): May06-09, 2014.

5- Minju Ying, W. Dizayee, S.M. Heald, H.J Blythe, A. M. Fox, and G. A. Gehring. The effects of different precursors in the production of target for pulsed laser deposition on the magnetism of cobalt doped ZnO films, IOP Magnetism2015, UK, University of Leeds, Leeds, March 30-31, 2015.

6- Wala Dizayee, Xiaoli Li, Harry Blythe, Steve Heald, Mark Fox, Gillian Gehring, Magnetism due to substitutional and metallic cobalt in ZnO films, IOP Magnetism2015, UK, University of Leeds, Leeds, March 30-31, 2015.

7- Minju Ying, W. Dizayee, S.M. Heald, H.J Blythe, A. M. Fox, and G. A. Gehring. The effects of different precursors in the production of target for pulsed laser deposition on the magnetism of cobalt doped ZnO films, ICM2015, Spain, Barcelona, July 5-10,2015.

8- Wala Dizayee, Yalei Wang, A. Mark Fox and Gillian A. Gehring, Magneto- Optics Properties of Graphite and graphene, UK, University of Sheffield, Sheffield, April 04-05, 2016.

LIST OF EXTRACURRICULAR TRAINING COURSES _____

- Lab view core 1 course by National Instruments (NI), The University of Sheffield, Sheffield, UK (2012).
- IOP postgraduate magnetism techniques workshop, University of York, York, UK, (2013).
- Introduction to Referencing Styles (2012).
- Advanced Internet Searching for High Quality Research Information (2012).
- Freely Available Academic Research Sources on the Open Web (2013).
- Introduction to EndNote Web (2013).
- Copyright for eTheses (2013).
- Assertiveness Skills - develop your confidence (2013).
- Professional Skills Training Sessions, the Researcher Development Manager for the Faculty of Science, (2013).
- Managing Yourself (2013).
- Introduction to Communication and Presentation Skills (2014).
- First Steps with NVivo (2014).
- LTS Foundation Pathway - Digital Possibilities (2015).
- Small Group Teaching: Laboratory Demonstration Workshop (2016)
- Assessment & Feedback Workshop (2016).
- Large Group Teaching: Lecturing Workshop (2016)
- Large Group Teaching: Problem Solving Workshop (2016)

- Small Group Teaching: Seminar Facilitation Workshop (2016)
- Foundation Pathway Workshop Digital: Possibilities: Integrating Technology to Support Learning Workshop (2015).
- Foundation Pathway Orientation Workshop (AFHEA ONLY) Workshop (2015).
- Research Supervision Workshop (2015).
- Teaching: Design & Delivery Workshop (2015).
- Writing Research Publications LIFE, Instructor Led (2015).
- Introduction to Academic Publishing: A Seminar for Postgraduate Students, Instructor Led (2014).