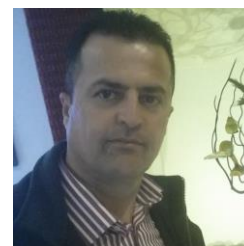




Academic Curriculum Vita

Personal History

Name: Dr. Nasih Hama Ghareeb Hma Salah
Family name: Hma Salah
Date of Birth: 1st February 1975
Sex: Male
Nationality: Iraqi
Social Situation: Married
Occupation: PhD in Physics / Nanotechnology.
Languages: Very good in; English (IELTS 6.5), Arabic, Persian, Kurdish.
Hobbies: Reading and swimming.
Permanent Address: 1080 Sharawany, Erbil, Kurdistan, Iraq.
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<https://www.linkedin.com/in/nasih-hma-salah-1410a954/>



EDUCATIONAL BACKGROUND:

- PhD ; 2011-2015, PhD (Physics-Nanotechnology/Plasmonic), Faculty of Science and Technology, Plymouth University, Plymouth, United Kingdom.
- M.Sc. ; 2002- 2005, M. Sc., Physics Department, College of Science, Salahaddin University, Erbil, IRAQ.
- B. Sc. ; 1994-1998, B. Sc., Physics Department, College of Science, Kurdistan University, Sanandaj, Iran.

WORK EXPERIENCE:

ACADEMIC EMPLOYMENT

1999-2002, research assistance at Physics Department, College of Science, Salahaddin University, Erbil, IRAQ.
2005-2011, University lecturer, Physics Department, College of Science, Salahaddin University, Erbil, IRAQ.
December 2015 up until now, University lecturer at Physics Department, College of Science, Salahaddin University, Erbil, IRAQ.

HONORS AND AWARDS:

2017 Outstanding University Lecturer of the Year Awarded

Awarded by University of Salahaddin, President of the University.

2018 Outstanding University Lecturer of the Year Awarded

Awarded by University of Salahaddin, President of the University.

PUBLICATIONS and CONFERENCE PRESENTATIONS:

- I. Nasih Hma Salah, Surface Plasmon Resonance Detection of Toxic Nanoparticles in Aqueous Systems, Eurasian Journal of Science & Engineering ISSN 2414-5629 (2018), ISSN 2414-5602.
- II. Nasih Hma Salah, David Jenkins, Larissa Panina, Richard D. Handy and Shakil Awan, Self-Sensing Surface Plasmon Resonance for the Detection of Metallic Nanoparticles, Volume 2 Issue 2, ISSN: 2167 – 5813.
- III. Nasih Hma Salah, David Jenkins, Richard D. Handy, Graphene and its Influence in the Improvement of Surface Plasmon Resonance (SPR) Based Sensors: a Review. 2014.
- IV. Nasih Hma Salah, David Jenkins, Larissa Panina, Richard D. Handy and Shakil Awan. Optimisation of Plasmonic Layers for Enhanced Sensitivity of Ag Nanoparticle Detection. To be submitted, *Sensors and Actuators A*.
- V. Nasih Hma Salah, David Jenkins, Larissa Panina and Richard Handy, Optical detection of low concentrations of toxic nano particles in saline solutions; approximating a pseudo-estuary environment. Presented at SETAC 2014, Basel, Switzerland May 21014.
- VI. Nasih Hma Salah, David Jenkins, Larissa Panina and Richard Handy. Detecting Silver Nanoparticles in Aqueous Colloids with Surface Plasmon Resonance – Challenging the Limits of Dynamic Light Scattering. Invited Talk at ICNM'13 2013, BS Abdur Rahman University, Chennai, India, Jan.2013.
- VII. Nasih Hma Salah, David Jenkins, Larissa Panina, Richard D. Handy, P.I. Nikitin and A. Orlov. . Surface plasmon resonance for the detection of non-metallic nanoparticles. Presented at the 23rd Annual Meeting of the Society of Environmental Toxicology and Chemistry, 12-16 May 2013, Glasgow, UK.
- VIII. Nasih Hma Salah, David Jenkins, Larissa Panina and Richard Handy. Self-Sensing Surface Plasmon Resonance. Invited talk, International Conference on Nano Devices and Nano Electronics, Chennai, India 21-22 January 2013.
- IX. Laversa, C., et al., Optical Surface Plasmon Resonance Monitoring in a High Salinity Environment for Long Duration Sensing Applications. SCIREA Journal of Metallurgical Engineering, 2017. 3(1).
- X. Salah, N.H., Surface Plasmon Resonance Sensor of Toxic Nanoparticles in Aqueous Systems. Eurasian Journal of Science & Engineering (EAJSE), January 1, 2019. 4(3): p. 9.

PROFESSIONAL AFFILIATIONS AND SERVICES:

Chairman of Postgraduate Student Society at Plymouth University U.K. (2011-2015)

Head of Quality Assurance at Physics Department, College of Science, Salahaddin University. (2016-2017 and 2018-2019).

WORK EXPERIENCE IN THE PRIVATE SECTORS:

General Manager of Dilman Center for International Telecommunication and Internet It Erbil City. (1999-2004).

Manager of Awjhin Company as representative of Aujan Group Holding (Saudi Arabia) for distributing (Rani Refreshments (RR) in whole Iraq) (2005-2010).

PROFESSIONAL DEVELOPMENT:

Good strategic appreciation and vision; able to build and implement sophisticated plans.

Determined and decisive; uses initiative to develop effective solutions to problems.

Technically competent/qualified; Very good knowledge of computer software and hardware:

- LabVIEW programming.
- Wolfram Mathematica.
- SolidWorks.
- MS Word, Excel, PowerPoint, Outlook, Browsing the internet.

Diploma supplement Appendix 2:

RESEARCH SKILLS control centre

During My PhD Study Graduate School Researcher Development

Training completed:

Course Title	Date Attended	Location of Course
Research Methods	2012	Plymouth University
Matlab Environment And Scripts	2012	=
Matlab Environment And Scripts	2012	=
Introduction To Endnote	2012	=
The Transfer Process	2012	=
Powerful Practical Presentation	2012	=
Overcoming Limiting Belief Workshop	2012	=
Leadership And Teamwork Workshop	2012	=
Leadership And Management: Exploring Leadership	2012	=
Leadership And Management: Questioning And Listening Techniques	2012	=
Leadership And Management: Selection Interviewing	2012	=
Leadership And Management: Coaching And Mentoring	2012	=
Leadership And Management: Performance Management	2012	=
Participated And Successfully Completed The Customized Labview Core 1 And Core 2	2012	=
What Is Latex? An Introduction	2013	=
Latex Getting Started	2013	=
Latex? Pictures, Bibliographies, Tables And Other Assorted Problems	2013	=
Critical Thinking	2013	=
Online Training Through Lynda.Com	2013	=
Careers In Academia	2013	=
Keeping Laboratory Records	2013	=
Presenting At Conferences	2013	=
Managing Working Relationships	2013	=

– Students And Supervisors		
Getting The Most From Conferences	2013	=
Writing For Research Publication	2013	=
Presenting To An Audience - Part 1	2013	=
Presenting To An Audience - Part 2	2013	=
Immersive Writing Workshop	2013	=
Excel As A Database	2013	Plymouth University
Effective Reading	2013	=
Word Master Documents And Navigation Pane	2013	=
Intro To Endnote	2013	=
Postgraduate Society Conference	2013	=
Attending The Gradschool: Residential Development Programme For Postgraduate Researches.	2014	Buckland Hall Conference and Retreat Centre Bwlch Brecon Beacons
GETTING PUBLISHED IN JOURNALS - MEET THE EDITORS - (Science, Technology, Engineering, Maths & Medicine Disciplines	2014	Plymouth University
Introduction To Podcasting	2014	=
An Introduction To Research Impact: Making Your Mark In The World	2014	=
General Teaching Associating (GTA)	2014	=
The Transfer Process	2014	=
Methodology Course	2014	=
Word 2010: Structure Your Thesis	2015	=
Introduction To R	2015	=
Preparing For A Viva	2015	=
An Introduction To Applying For Research Funding	2015	=
Preparing To Submit On PEARL	2015	=

Verified by Researcher Development Program Manager

**Diploma supplement Appendix 1:
RESEARCH OUTPUTS**

Seminar/Conference/Performance presentations

Title of Paper or Performance	Title of Meeting & location	Poster or Oral paper	Date	Published * or not published
Graphene Applications	Group Meeting in Plymouth University/ W10	Oral presentation	27/06/2012	
Participating in a conference	12th International Conference on Nanotechnology (IEEE-NANO)/ Birmingham, UK		20-23/08/2012	
Surface plasmon resonance for the detection of non-metallic nanoparticles	23rd Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC Europe)/Glasgow	Poster presentation	12-16/05/2013	
participating in a conference	Graphene and Related Materials 2014/Exeter University		07-09/04/2014	
Optical detection of low concentrations of toxic nano particles in saline solutions; approximating a pseudo-estuary environment	SETAC Europe 24th Annual Meeting/ Basel	Poster presentation	11-15/05/2014	
participating in a conference	Pedagogic Research Institute and Observatory at the University of Plymouth (PedRIO)/ Plymouth		27/07/2014	

RESEARCH SKILLS:**Subject Specific Skills Training completed**

Course Title	Module Code	Date Attended	Performance Pass/Dist or %	Credit rating and level
Participated And Successfully Completed The Customized Labview Core 1 And Core 2		2012		
Principles and Applications in Electron Microscopy (13/AU/M)	BIO5102	2013		10
Research Comm Electronic Engineering (13/AU/PR/M/2)	GSRCOEE3	2013		
Nanotechnology and Nanoelectronics (14/AY/AU/M)	ELEC512	2014		
Research Comm Electronic Engineering (14/AU/PR/M/2)	GSRCOEE4	2014		
General teaching associating (GTA)		2014		

Other Skills Training

Skills Training completed provided external to the Graduate School (e.g. English/Foreign Language) and/or conferences/meetings attended

Title	Location	Organisers	Date Attended
English Language Skills, Developing Professional writing skills, writing up and presentation, and other English sessions	Babbage building	Anne Munro Carolyn Gentle	2012
Leadership And Teamwork Workshop	Cookworthy building, Plymouth University	school of management	2012
Attending the GRADSchool: Residential development programme for postgraduate researches.	Buckland Hall Conference and Retreat Centre Bwlch Brecon Beacons		2014

Verified by Director of Studies