

# Curriculum Vita

## Dr. Diana Suleiman Eid Rbehat



### Peronal:

D.O.B:21<sup>th</sup> of October 1980

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### Education:

Qualification	Date(s)
PhD., Fire safety Engineering, University of Central Lancashire, UK, 2015 Thesis: Development of pyrolysis models of composite materials for Fire Safety Engineering.	2015
M.A., Industrial Engineering/ Engineering Management, The University of Jordan, Jordan, 2009 Thesis: Process Re-Engineering for the Self Protection and Prevention Department at the Jordanian Civil Defence	2009
B.A,Chemical Engineering, Mut'ah University, Jordan, 2003 Project: Optimizing the yield of shale oil in Jordan	2003

## Experience:

Experience	Date(s)
Laboratory Instructor, 2004 - 2006 The University of Jordan	2004-2006
Officer Engineer 2007 - 2010 Self Protection and Prevention Department The Jordanian Civil Defence	2007-2010
Manager Assistant/Teaching member Fire Safety Engineering Department The Jordanian Civil Defence/ Prince Al- Hussein bin Abdullah II Academy of Civil Protection	2010-2012
Assistant Professor/ Chief of Fire safety Engineering Department in the Prince Al- Hussein bin Abdullah II Academy of Civil Protection and lecturer in the same department.	2015 -2019
Assistant Professor/ Chief of Science Engineering Department in the Prince Al- Hussein bin Abdullah II Academy of Civil Protection and lecturer in the Fire and Safety department.	2019-2022

## Achieved Activities:

Details of activity
<p>Attending a research skills training " Research Skills 2011/12" in 23rd April –3rd May 2012 in UK:</p> <ul style="list-style-type: none"> <li>• Monday 23rd April 2012 Reflective Skills (part 1) Presentation &amp; Conference Techniques</li> <li>• Tuesday 24th April 2012 Analytical Methods (part 1) Time &amp; Project Management (part 1)</li> <li>• Wednesday 25th April 2012 Reference Manager &amp; Bibliographic</li> <li>• Thursday 26th April 2012 Health, Safety &amp; Environment Training</li> <li>• Friday 27th April 2012 Teambuilding</li> <li>• Monday 30th April 2012 Analytical Methods (part 2)</li> <li>• Tuesday 1st May 2012 Time and Project Management (part 2) Legal, Business &amp; Other Aspects</li> <li>• Wednesday 2nd May 2012 Technical/Scientific Writing (2 days)</li> </ul>

<ul style="list-style-type: none"> <li>• Thursday 3rd May 2012      Reflective Skills (Part 2)</li> </ul>
<p>Having a certificate in the following techniques that performed in the UK:</p> <ul style="list-style-type: none"> <li>• Library support for researchers    9<sup>th</sup> March 2012</li> <li>• Reference manager training      1<sup>st</sup> February 2012</li> <li>• Excel for researchers              8<sup>th</sup> February 2012</li> <li>• Statistics I: Designing study        29<sup>th</sup> February 2012</li> <li>• Statistics II- Data analysis        28<sup>th</sup> March 2012</li> <li>• Endnote web for researchers      3<sup>rd</sup> May 2012</li> <li>• Visio for researchers              12<sup>th</sup> March 2013</li> <li>• Power Point for researchers      20<sup>th</sup> March 2013</li> </ul>
<p>Participating in an event at the university of Bolton called “Fire and Materials” (30<sup>th</sup> of April 2013) and presenting a poster related to this field.</p>
<p>Attending a short course (Monday 7<sup>th</sup>-Thursday 10<sup>th</sup> January 2013) organised within the centre for Fire Hazard and Toxicity/UK: “Hazards from fire, Quantification of fire behaviour, Fire retardancy and Fire toxicity”.</p>
<p>Participating in a conference: “Fire Retardant Technologies (FTIR14)” in the interval between 14-17 April 2014 which held in Preston/UK at University of Central Lancashire and representing a poster under the name of:</p> <p><b>“APPLICATIONS OF PYROLYSIS MODELLING FOR FLAME RESISTANT POLYMERIC MATERIALS”.</b></p>
<p>Participating in <i><b>the 2nd International Jordanian Forum for Occupational Health and Safety-Virtual (IJFOHS2), which will be held on November 25-26, 2021, via the Zoom platform,</b></i> and participating in a paper entitled: <i><b>“Risk Assessment for (Nestlé Pure Life Jordan) Factory in Ma’an”.</b></i> which held on November 25-26, 2021, <i>This Forum hosted a large number of scientists, engineers and leaders from different universities and organizations in the different conference activities.</i></p>
<p>Under publishing a paper entitled “Preparation and study of the flame retardant of PMMA-graphene composite materials” to be submitted in 2023.</p>
<p>Attending a training course in TOT that held in the Arab international society for management technology (AIMICT) in September 2020.</p>
<p>Attending a training course entitled <b>“Standards and Their Application for the Production and Testing of Face Coverings and Related Products for Use against Infectious Diseases”</b> in 2021 that organized by ASTEM International.</p>
<p>Attending a training course entitled “Fundamental of Risk Assessment Process” held from 18-21 of September 2022 by the expertise France and OFD organizations.</p>
<p><b>Teaching the following courses of:</b></p> <ul style="list-style-type: none"> <li>▪ Fundamentals in fire phenomena</li> <li>▪ Behaviour of materials in fire</li> </ul>

- Principles of fire and safety engineering
- Principles of chemical engineering
- Passive fire protection
- Active fire protection
- Industrial Explosion
- Investigation of fires
- Risk assessment of fire
- Principles of health and behaviour of people in fires
- Health and Occupational Safety
- Fire Dynamic
- Problem synthesis design
- Design of water based suppression systems (I).
- Heat and mass transfer
- Safety codes in buildings
- Fire protection
- Material Science
- Thermal and Mechanical behaviour of materials

In the Prince Al- Hussein bin Abdullah II Academy of Civil Protection up to now.

In addition to supervising several graduation projects in design, risk and safety of different occupations and fire characteristics of composites and nanocomposites materials in micro and bench scale methods of fire. Also supervising projects in fire fighting protection system at different occupancies in addition to risk assessment projects.

#### Publications:

السنة	الإصدار	اسم المجلة	عنوان البحث	ت
20 January 2016	127 (2016) 65-78	Polymer Degradation and Stability	An experimental and numerical model for the release of acetone from decomposing EVA containing aluminium, magnesium or calcium hydroxide fire retardants	١
25 December 2023	Vol. 13, No. 6	International Journal of Safety and Security Engineering (IETA)	Qualitative Risk Assessment in Water Bottling Production: A Case Study of Maan Nestlé Pure Life Factory	٢
2024	Vol. 14, No. 2, 13324-13328	Engineering, Technology & Applied Science Research	Experimental Study of the Flame Retardancy of PMMA-Graphene Composite Materials	٣
2024	Vol.7 No.1	Jordanian Journal of Engineering and Chemical Industries (JJEI)	Pressure Behaviour of Hot Gases and Smoke in Fires of Large Enclosures with Different Ventilation Systems	٤

2024	Vol. 7, No.2, pp: 56-60 (2024)	Jordanian Journal of Engineering and Chemical Industries (JJEI)	Green Solutions in the Fire Safety Strategy within a Medical Centre.	٥
2024	Vol. 14, No. 5, 2024, 16984-16988	Engineering, Technology & Applied Science Research	Numerical Evaluation of Aluminum-faced Sandwich Panels in Large Enclosure Fires.	٦
2024	Vol. 14, No. 5, 2024, 17232-17238	Engineering, Technology & Applied Science Research	The Ventilation in Small-Compartment Fires: Potential of Fire Retardancy	٧
December 2024				٨

**Awards:**

I have been awarded from Princess Basma Bint Talal for the best woman achievement in the year	2015
I have been awarded from Jordan engineers association in an event "Eda'at for engineering excellence" for my achievement in the engineering field.	2017
I have been awarded from Jordan engineers association for my contributions as a chief in the engineering faculty for many years.	2019
I have been awarded a golden medal in a competition for the empowered woman in the year of 2020 which organized by "Change maker" agency.	2020