CURRICULUM VITAE

PERSONAL PARTICULARS

Full Name	:	Imad (Moh'D Khair) Rashid Hamadneh
Place and Date of Birth	:	Damascus/Syria, 12th Sep. 1972
Sex	:	Male
Nationality	:	Jordanian
Occupation	:	Professor of Materials Chemistry, Department of Chemistry, Faculty of Science, University of Jordan, 11942 Amman, Jordan.
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QUALIFICATIONS

- **Ph.D. (Material Science Program), 2002.**
  Universiti Putra Malaysia, Serdang, Selangor, Malaysia.

  Title of Thesis:
  "*Synthesis and Characterization Samarium Doped Superconductor Prepared via Coprecipitation Method*"

- **M.Sc. (Chemistry), 1999**

  Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia

  Title of Thesis:
  "*Fabrication and Characterization of Superconductor/ Polymer composites*."

- **B.Sc. (Chemistry), 1994**
  Mu'tah University, Al-Karak, Jordan.

Academic Ranking

- Professor at the Department of Chemistry, Faculty of Science, The University of Jordan since August 28th, 2015.
- Associate Professor at the Department of Chemistry, Faculty of Science, the University of Jordan (August 28th, 2011- 27th August 2015).
- Assistant Professor at the Department of Chemistry, Faculty of Science, the University of Jordan (February 3rd 2008-27th August 2011).
- Contract Lecturer at the Department of Chemistry, Faculty of Science, Universiti Putra Malaysia. Serdang, Selangor, Malaysia from March 29th 2004-15th Jan 2008
- Visiting Lecturer at the Department of Chemistry, Faculty of Science, Universiti Putra Malaysia. Serdang, Selangor, Malaysia from April 29th 2003-28th March 2004.
- Postdoctoral Fellow in Superconductor and Material Science Lab, Faculty of Science, Universiti Putra Malaysia from October 2002 to April 2003.

PROFESSIONAL EXPERIENCE

- Head of the Committee for Qualifications Placement on the JNQF.
- President of International American Chemical Society Jordan Chapter since April 2018
- Vice president of Jordanian Chemical Society (JCS) 29/12/ 2012- 6/3/2014
- Dean Assistant for Student Affairs, Faculty of Science, University of Jordan, from September 4th, 2012- September 15th, 2013
- Graduate Research Assistant for Prof. Dr. Abdul Halim Shaari in Superconductor and Material Science Lab, FSAS, UPM from June 1999 to February 2002.

- Research assistant in the Faculty of Science and Technology, at the Department of Chemistry (FST), Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia from October 1997 to March 1999.
- Science teacher for the United Nations Relief and Works Agency for Palestinian Refugees in the Near East (**UNRWA**), Amman, Jordan from September 16th, 1995 to May 19th, 1997

SOCIETIES AND PUBLIC SERVICES

- Fellow of **Malaysian Solid-state Science and Technology Society (MASS)**. Malaysia since 2019.
- President of **American Chemical Society-Jordan Chapter**, since 2018.
- Fellow of **Royal Society of Chemistry (RSC),** the UK since 2016
- Member of Editorial Board for Nano Materials Chapter for **National Chemical Profile** (Ministry of Environment-Jordan), 2012-2014.
- Member of **American Chemical Society (ACS)**, the USA since 2013.
- Member of Judge panel for **Arab Intel Science and Engineering competition**, 26-29 October 2013
- Member of Judge panel for **Intel Science and Engineering competition**, since 2011.
- Member of **American Nano Society (ANS)**, the USA since 2011
- Member of an expert panel in nanotechnology (ISESCO) since 2010.
- Member of **Royal Society of Chemistry (RSC),** the UK since 2007
- Member of **European Society for Applied Superconductivity**, since 2007
- Life member of **Malaysian Solid-state Science and Technology Society (MASS)**. Malaysia since 2003.
- Member of **Jordanian Chemical Society (JCS)**, Amman, Jordan since 1994.

TEACHING SKILLS:

21 Years of experience (after Ph.D.) in teaching both undergraduate and postgraduate students

- Teaching Chemistry courses: such as General Chemistry, Industrial Chemistry-1, Industrial Chemistry-2, General Chemistry Labs, Physical Chemistry Labs.
- Teaching Materials science courses: such as Materials Chemistry and Composite Materials.
- Teaching Polymer chemistry courses: such as Industrial Polymer Chemistry, Polymer Technology.
- Teaching Special Topics for postgraduate students: Solid State Characterization, Nano Chemistry, Materials Science, and Spectroscopy II.

ACADEMIC PROJECTS AND RESEARCH SKILLS

Superconductivity and Nano-Materials

- Synthesis and Characterization of High Temperature Superconductor $YBa_2Cu_3O_7$ Using Green Chemistry Method **funded by the Deanship of Scientific Research, The University of Jordan, Jordan, 17,400.00 JOD-Active**
- The Effect of Nano-sized Starting Powers on the Physico-chemical Properties of the RE123 Superconducting Ceramics prepared Via Co-precipitation method, **funded by the Deanship of Scientific Research, The University of Jordan, Jordan, 19,100.00 JOD- Completed**
- The Effect of Nano-sized Starting Powers on the Physico-chemical Properties of the RE123 Superconducting Ceramics prepared Via Co-precipitation method (RE= Er, Dy, Yb), **funded by Hamdi Mango Centre for Scientific Research, The University of Jordan, Jordan, 20,000.00JOD- Completed**
- The effect of the coprecipitation technique on the physic-chemical properties of $ReBa_2Cu_3O_{7-\delta}$ (Re= Er, Gd, Dy, Ho) superconducting ceramics". Fundamental Research Grant Scheme. **Funded by Ministry of Higher Education**, Malaysia, **78,000.00 RM - Completed**
- A member for IRPA project No. 09-99-03-0024-EA001 entitled: Development and testing for a novel design concept of high- Temperature Superconducting Fault Current Limiter for power application, **Universiti Tenaga Nasional, Malaysia. 500,000.00 RM-Completed**
- Synthesis and formation of (Tl, Cr)-1212 superconducting ceramic from coprecipitated oxalate precursors**. funded by Research Management Center, Universiti Putra Malaysia, Malaysia, 10,000.00 RM-Completed**

Clay, Minerals, Polymers, Nan composite, and water-treatment

- Green synthesis of modified biochar hydrogel to remove lead and chromium ions from aqueous solutions, **funded by Ministry of Higher Education, Jordan, 93,500JOD-Active.**

- Understanding the factors affecting Biochar-PANI electrospun nanofiber mat's efficiency and recyclability for palm oil mill effluent treatment, **Fundamental Research Grant Scheme (FRGS), Ministry of Science, Technology & Innovation (MOSTI), in collaboration with University Science Malaysia, 188,000.00 RM-Active.**

- Synthesis and Characterization Of Nanomaterials Using Green Chemistry**, funded by King Abdullah II Fund for Development & King Abdullah II Design and Development Bureau / Scientific Research Department, 4,000JOD - Completed.**

- Smart Materials Based on Cellulose Derivatives for Renewable Energy, **supported by Ministry of Higher Education and the Deanship of Scientific Research, The University of Jordan, Jordan, 15,000.00US$- Completed.**

- Grafting of Consumed Paper Fibre with Thermoplastic Polymers, **funded by Deanship of Scientific Research, The University of Jordan, Jordan. 8,000JOD -Completed.**

- Hardening of the Hazardous Waste and Industrial Water Treatment by Inorganic Polymerization **supported by Ministry of Higher Education, Jordan, 56,000.00JOD- Completed.**
- Polymer/diatomite composite membrane system for industrial wastewater treatment **funded by Abdel Hamid Shoman Foundation, Jordan. 15,000JOD - Completed.**

- Production of Polymeric Nanocomposite Membranes for wastewater treatment, **supported by Hamdi Mango Centre for Scientific Research, The University of Jordan, Jordan, 6,000.00JOD -Completed.**

- Synthesis and Characterization of Kevler -Like Polymer and Low Moelcular Weight Models for Industrial Applications, **funded by Ministry of Higher Education, Jordan, 68,300.00JOD -Completed.**

ACADEMIC AWARDS

1. Gold Medal at UPM Invention and Research Exhibition for project titled: *(Effect of Doping in BSCCO and YBCO Bulk Superconductor).2002*
2. Silver Medal at UPM Invention and Research Exhibition for project titled: *(Fabrication of Mono and Multi Filament Tapes Prepared Via Coprecipitation Methods).2002*
3. Silver Medal at UPM Invention and Research Exhibition for project titled: *(Effect of Magnetic and Non-Magnetic Elements Doped in Manganite).2002*
4. Best SEM Micrograph at Seminar Update on Microscopy and Microanalysis.*2002*
5. Second Prize for Poster Presentation at Seminar Update on Microscopy and Microanalysis.*2002*
6. Silver Medal at UPM Invention and Research Exhibition for project titled: *(Superconducting Properties of Bulk and Tapes of Bi(Pb)-Sr-Ca-Cu-O System Prepared Via Conventional Solid State and Coprecipitation Methods).2003*
7. Best Poster Presentation at workshop Superconductivity Theory and Tapes Technology (STTT04). 2004.
8. Certificate of excellent record (2003) from the Vice-Chancellor Universiti Putra Malaysia
9. Bronze Medal atMed Valley Exhibition Center, KL. 15^{th} International Invention.Innovation, Industrial Design& Technology Exhibition (I.TEX) for a project entitled (*Production of High-Quality Bi(Pb)-Sr-Ca-Cu-O Superconductor Powders for Use in Tape Fabrication for Device Applications*).2004
10. Gold Medal at EXPO Science, Technology & Innovation for a project entitled (*Extremely Low Magnetic Energy Loss/Low-Cost Antenna For High-Frequency Operations in The* $Ni_{0.76-x}Mg_{0.04-x}Ca_{0.005}Co_{0.1}Cu_{0.075}Zn_{0.04}Fe_{1.96}O_{3.96}$ *Ferrite System*).2004
11. Certificate of excellent record (2003) from the Vice-Chancellor Universiti Putra Malaysia
12. Silver Medal at UPM Invention and Research Exhibition for project titled: *Ag-sheathed* $Bi_{1.6}Pb_{0.4}Sr_2Ca_2Cu_3O$ *superconducting tapes fabricated powder-in-tube (PIT) and wire-powder-in-tube process (WPIT)).2005*
13. Certificate of excellent record (2004) from the Vice-Chancellor Universiti Putra Malaysia
14. Certificate of excellent record in teaching (2005) from Dean of faculty of science, Universiti Putra Malaysia

15. Certificate of excellent record in research (2005) from Dean of faculty of science, Universiti Putra Malaysia
16. Certificate of excellent record (2005) from Dean of faculty of science, Universiti Putra Malaysia
17. Silver Medal at17th International Invention, Innovation, Industrial Design& Technology Exhibition Malaysia (I.TEX 2006) for a project entitled (*High-Current Density Ceramic Superconductor Tape*).2006
18. Silver Medal at UPM Invention and Research Exhibition for project titled:(*Synthesis of Tl(Cr)-Sr-Ca-Cu-O (Tl-1212) system using coprecipitation*).*2006*
19. Certificate of excellent record (2005) from the Vice-Chancellor Universiti Putra Malaysia
20. Certificate of excellent record in teaching (2006) from Dean of faculty of science, Universiti Putra Malaysia
21. Certificate of excellent record in research (2006) from Dean of faculty of science, Universiti Putra Malaysia
22. Gold Medal at Kulliyyah of Engineering Research and Innovation Exhibition 2006 (KERIE'06) for a project entitled: *Production of high purity of carbon nanotubes by using chemical vapor deposition* (CVD). International Islamic University of Malaysia.
23. Best Poster Presentation at International Conference on Advancement of Materials and Nanotechnology 2007 (ICAMN 2007), Langkawi Island, Malaysia, 29th May-1st June 2007.
24. Certificate of excellent record in teaching (2007) from Dean of faculty of science, Universiti Putra Malaysia
25. Certificate of excellent record in research (2007) from Dean of faculty of science, Universiti Putra Malaysia
26. Certificate of excellent record in overall achievements (2007) from Dean of faculty of science, Universiti Putra Malaysia.
27. Gold Medal at UPM Invention and Research Exhibition (PRPI07) for project titled:(*Nano-sized precursors for superconducting ceramics synthesis*).*2007*
28. Bronz Medal at UPM Invention and Research Exhibition (PRPI07) for project titled:(*Electrochemical Reduction of Potassium Ferricyanide mediated by Magnesium Diboride Modified Carbon Electrode*).*2007*
29. Bronz Medal at UPM Invention and Research Exhibition (PRPI07) for project titled: (Voltammetric *Studies of Microcrystalline* $YBaCu_2O_{7-\delta}$ *Superconductor Mechanically Attached to a Carbon Electrode*).2007.
30. Best Poster Presentation at 8th Annual meeting of Jordanian Chemical Society

2008 (**JCS8)**, Amman, Jordan, 20th April 2008.

31. Silver Medal at UPM Invention and Research Exhibition (PRPI09) for project titled: (The Roles of Magnetic Nanoparticles Addition in Bi-2223 Superconductor).2009.
32. Bronz Medal at UPM Invention and Research Exhibition (PRPI09) for project titled: (Ceramics Superconductor $REBa_2Cu_3O_{7-\delta}$ (RE=Y, Dy & Er), Synthesis via Coprecipitation Method).2009.
33. Silver Medal at UPM Invention and Research Exhibition (PRPI09) for project titled: (TiO_2-Chitosan/Glass Photocatalyst for the Removal Of Monoazo Dye via Photodegradation -Adsorption).2009.
34. Bronz Medal at UPM Invention and Research Exhibition (PRPI12) for project titled: (Preparation of Zn and Ca Doped $ErBa_2Cu_3O_{7-\delta}$ Superconductors by Coprecipitation and Their Electrochemical Analysis).2012.
35. Certificate of excellent record in research (2019), president of The University of Jordan.

SUPERVISING STUDENTS

Ph.D. Students:

8 students graduated and 2 students ongoing

Name: Lee Kong Hui (GS11613) PhD
Title: Photomineralization of Dissolved Organic Waste using TiO_2 Thin Films Supported on Solid Substrates.
Status: completed/ 2007

Name: Elias Sediq PhD
Title: Synthesis of RE123 (RE=Eu, Nd, Yb,Er) systems via coprecipitation method
Status: completed/ 2012

Name: Ahmad Al-Mubaideen Ph.D
Title: Green synthesis of CuO, $BaCO_3$, and Y_2O_3 nanoparticles using Mediterranean cypress cones and their applications in $YBa_2Cu_3O_{7-\delta}$ superconductor synthesis and biochar-based nano copper oxide composites for arsenic removal.
Status: completed/ 2018

Name : Morouj Zeyadeh, Ph.D.
Title: Effect of Green Nano Fertilizers on Lettuce (*Lactuca sativa* L.) Growth and Quality.

Status: completed/2023

Name : Sarah Jamal Fayyad Jaradat, PhD

Title:	Extraction of Anthocyanins from grape industries waste and their use in the production of food and cosmetics.
Status:	completed/2023
Name :	Mounia Benzerzoura, PhD
Title:	Production and purification of bio preservative plantaricin and its use as a bactericidal against selected foodborne pathogens.
Status:	completed/2023
Name :	Wala Mubarak Al-Tarawneh, PhD
Title:	Synthesis and Characterization of Cellulose-Hydrogel Nano Metal Oxide Composite for Medical Applications
Status:	completed/2024
Name :	Abeer Euaid Dbaian Alsharafat, PhD
Title:	Synthesis of highly porous biochar from pre-treated neem fruit waste and its applications on the adsorption of chromium and lead ions from aqueous solutions
Status:	ongoing/2025
Name :	Khawlah “Mohammed Ali” Diab Damer, PhD
Title:	Removal of phenol from aqueous solution using biochar produced from Jacaranda fruit: Thermodynamic, kinetic, and adsorption study
Status:	ongoing/2025
Name :	Razan M. Omoush, PhD
Title:	Examining the Influence of Phytoestrogens Supplementation on Anti-Müllerian hormone (AMH) and its receptor (AMHR2) Expression: Potential Effects on Menopause Onset.
Status:	ongoing/2025

Master Students:

27 students graduated and 1 student ongoing

Name:	Basel Mustafa Mahmood JaafarMSc.
Title:	Modification of Jordanian clay by using prepared fatty hydroxamic acids (FHA) from several vegetable oils.
Status:	Completed
Name:	Hussein Abdullah Hussein Baqiah MSc.
Title:	Effect of Magnetic nanoparticle addition on the superconducting properties of Bi-Pb-Sr-Ca-Cu-O
Status:	Completed
Name:	Salam Mohammad Ahmad Habib MSc.

Title: Modelling the Stability of Nano encapsulated Essential Poly Unsaturated Fatty Acid Thermally Treated by Microwave
Status : Completed

Name : Ahmad Mustaza bin Ahmad Rusli (GS18204) MSc.
Title : Synthesis of RE123 (RE=Sm, Gd, Ho) systems via coprecipitationmethod
Status : Completed

Name : Muhammad Farhan bin Nazaruddin (GS19495) MSc.
Title : Synthesis of RE123 (RE=Pr, La, Dy) systems via coprecipitation method
Status : Completed/2010

Name : Erina Farhani bt Kadri (GS18939) MSc
Title : Electrochemical studies on RE123 (RE=Yb, Er, Y) systems synthesized via coprecipitation method
Status : Completed/2009

Name : Mohd Haniff bin Wahid MSc
Title : Synthesis of RE123 (RE=Nd, Y) Thin film via electrophoretic method
Status : Completed/2010

Name : Masnita Mat Jusoh MSc
Title: Effects Of Nanometer- γAl_2O_3 Addition On Superconducting Properties Of $Bi_{1.6}Pb_{0.4}Sr_2Ca_2Cu_3O_x$ (Bi-2223) Superconductor
Status : Completed/2011

Name : Nurul Raihan Mohd Shuib MSc
Title: Effects Of Nanometer- γAl_2O_3 Addition On Superconducting Properties Of $Bi_{1.6}Pb_{0.4}Sr_2Ca_2Cu_3O_x$ (Bi-2223) Superconductor
Status : Completed/2011

Name : Anas Mohammad Fiyad Momani MSc
Title : Effect of Nanoparticles on Water Desalination using Roof Type Solar Still
Status : completed/2015

Name : Ala Ahmad Suliman MSc
Title: Adsorption Characteristic of Rare Earth Elements (La, Nd, and Sm) from aqueous Solution on surfactant-modified Jordanian Diatomaceous earth: Equilibrium, kinetic and thermodynamic modeling studies
Status : completed/2016

Name : Noor Wajih Al Jundub MSc
Title : Adsorption of Rare-Earth Metals, (Europium, Erbium and Gadolinium) from aqueous Solution on Surfaces of Organically-

Modified Jordanian Diatomaceous Earth: Equilibrium, Kinetic and Thermodynamic Studies
Status : completed/2016

Name : Abdel Monem Obidellah Al-Atawi MSc
Title: Comperative Study Between Standard and Jordanian diatomite for Adsorption of Two Rare-Earth Metals, Nd and Sm from aqueous Solution
Status : completed/2016

Name : Marwa Faiez Abdel Fattah Al-Kaied MSc
Title: Synthesies and charactrization of PMMA-Bentonite nanocomposite as adsorbant of Pb (II) and Cr (III) from aqueous solution
Status : completed/2016

Name : Noura Ebrahim Saleh Mohammed MSc
Title: Phenol adsorption on biochar prepared from the empty pine fruit shells
Status : completed/2017

Name : Sarah Jamal Jaradat MSc
Title : Nanoencapsulation of vitamins A and D and Modeling their Thermal Stability
Status: completed/2017

Name : Aseel Mohammed Mustafa Akil MSc
Title: Adsorption of Paracetamol via BioChar from empty pine fruit shells: Equilibrium, kinetic and thermodynamic modeling studies
Status: completed/2017

Name : Hadeel Yaquob Alhayek MSc
Title: Green Synthesis Of Nano Particles (Y_2O_3, $BaCO_3$, CuO) Using Aqueous Neem Fruit Extract And Their Applications
Status: completed/2018

Name : Farah Zuhair Abed Al-junabi MSc
Title: Green Synthesis of Copper Oxide Nanoparticles and its Effect on Alleviating Salinity Stress in Durum Wheat (*Triticum turgidum* L. var durum)
Status: completed/2019

Name : Marya Khawaldeh MSc
Title: Synthesis of biochar from pre-treated carob and juniper fruit residues and their applications to remove chromium ions from aqueous solutions.
Status: completed/2021

Name : Nehal Al Muhtaseb MSc
Title: Chromium Cr (VI) Adsorption on Biochar Prepared from Empty Pine Fruit Shells and its Activated Form.
Status: completed/2022

Name : Mohammad Jukhan MSc
Title: Biochar synthesis from Jacaranda fruit and its applications for chromium ions removal from aqueous solutions.
Status: completed/2022

Name : Mohammad Al-Awamleh MSc
Title: Synthesis and Characterization of High Temperature Superconductor RE-123 (RE= Gd, Sm, Ho) Using Green Chemistry Method.
Status: completed/2022

Name : Dina Zuhdi Alfagawi MSc
Title: The Effect Of Nanoclay Structure on the Properties of Electrospun Cellulose Acetate.
Status: completed/2023

Name : Hebatollah Ali Assaed MSc
Title: The removal of chromium and lead ions using pretreated cypress biochar (alkaline modifier) from aqueous solutions.
Status: completed/2024

Name : Azizah Mansour MSc
Title: Synthesis and Characterization of ceramic-cellulose composite for wastewater removal
Status: completed/2024

Name : Fatimah Hesham Ahmad Abdulrahman MSc
Title: The effect of pretreated cypress cones biochar (acidic modifier) on the removal of chromium and lead ions from aqueous solutions.
Status: ongoing/2025

EXAMINER

I was an external examiner for 29 graduated students

Students Name : Jamarosliza Binti Jamaluddin
Matric No. : GS13722
Program : M.Sc
Status : Internal examiner/2006

Students Name : Ramadan Masoud Al-Habashi
Matric No. : GS14973
Program : M.Sc

Status	:	Chairman of the examiner committee /2007
Students Name	:	Mohd Fairul Sharin Bin Abdul Razak
Matric No.	:	GS14448
Program	:	M.Sc
Status	:	Internal examiner /2007
Students Name	:	Nor Asrina Sairi
Matric No.	:	GS15641
Program	:	M.Sc
Status	:	Internal examiner /2007
Students Name	:	Mohammed Ali Sultan
Program	:	M.Sc
Status	:	Internal examiner /2009
Students Name	:	Faisal Amer Amirah Mustafa
Program	:	M.Sc
Status	:	Internal examiner /2010
Students Name	:	Wael Mohammed Yonus Mahmood
Program	:	M.Sc
Status	:	Internal examiner /2011
Students Name	:	Alia'a Mohammed MohammedKhalifa
Program	:	M.Sc
Status	:	Internal examiner /2012
Students Name	:	FatenSulaiman Al-Regeb
Program	:	M.Sc
Status	:	Internal examiner/ 2012
Students Name	:	Ahmad Khalaf Mohammed Khawaldeh
Program	:	M.Sc (8110291)
Status	:	Internal examiner/ 2013
Students Name	:	Muna Mustafa Asaad Sharar
Program	:	M.Sc (8111165)
Status	:	Internal examiner/ 2013
Students Name	:	Fares Atta Abid Al hunaifat
Program	:	M.Sc (8111168)
Status	:	Internal examiner/ 2014
Students Name	:	Fida’a A Al-Shawawreh
Program	:	M.Sc
Status	:	Internal examiner/ 2015
Students Name	:	Noor Rebhi Ghannam
Program	:	M.Sc (8130386)

Status	:	Internal examiner/ 2016
Students Name	:	Azizah Mohammed Al Madhi
Program	:	M.Sc
Status	:	Internal examiner/ 2016
Students Name	:	Yasmin waleed Husni Al Eissa
Program	:	M.Sc (811147)
Status	:	Internal examiner/ 2016
Students Name	:	Abdullah Shwaqfeh
Program	:	M.Sc
Status	:	Internal examiner/ 2016
Students Name	:	Muhammed Maali
Program	:	M.Sc –Muta'h University
Status	:	External examiner/ 2017
Students Name	:	Aisha Mohammad Jumah Rahmoni
Program	:	M.Sc
Status	:	Internal examiner/ 2017
Students Name	:	Mohammad Alrbaihat
Program	:	Ph.D
Status	:	Internal examiner/ 2017
Students Name	:	Marwa Al-aqarbeh
Program	:	Ph.D
Status	:	Internal examiner/ 2018
Students Name	:	Latifa Saeed Ismail
Program	:	Ph.D
Status	:	Internal examiner/ 2019
Students Name	:	Rozilah Rajai, UiTM
Program	:	Ph.D
Status	:	External examiner/ 2019
Students Name	:	Aeshah Muthanna Razooqi Al-Saeedi
Program	:	M.Sc
Status	:	Internal examiner/ 2019
Students Name	:	Mohd Hamzah Bin Harun/UPM
Program	:	Ph.D
Status	:	External examiner/ 2020
Students Name	:	Alaa Hssan Alsharafat/Al Albayt
Program	:	MSc
Status	:	External examiner/ 2021

Students Name	:	Majedah Alkeifi/Al Albayt
Program	:	MSc
Status	:	External examiner/ 2022
Students Name	:	Faten S Alraqab/
Program	:	PhD
Status	:	Internal examiner/ 2022
Students Name	:	Omar Nasrah
Program	:	PhD
Status	:	Internal examiner/ 2023
Students Name	:	Reem Dheeb Alfawwaz
Program	:	M.Sc
Status	:	External examiner/ 2024
Students Name	:	Farah Subhi Tawayha
Program	:	M.Sc
Status	:	Internal examiner/ 2024
Students Name	:	Diab Ghassab El sharafat
Program	:	Ph.D
Status	:	Internal examiner/ 2025
Students Name	:	Batool Akram Haikal
Program	:	M.Sc
Status	:	external examiner/ 2025

TRAINING COURSES

- Speaker and chairperson at Jordan Nano Symposium 2021, from 16 -18 March 2021.
- Jordan Chemical Inventory Management Course, CSP-CRDF program, from 22 November-24 December 2020.
- Know -Your Customer (KYC) Remote Training for Jordan Chemical Industry Stakeholders, from 21-29 October 2020.
- The 2019 DHS Chemical Sector Security Summit, New Orleans, Louisiana from 16-19 July 2019.
- Fifth ACS Festival Training Institute, American University of Sharjah, Sharjah, UAE from 17 -19 April 2018
- Global Chemists' Code of Ethics (GCCE) Science and Technology Leadership Institute (STLI) workshop 6-10 February 2017 in Rabat, Morocco
- Basic SEM course at FEI Application Laboratory in the Netherlands, Nov 9-11, 2009
- Workshop on 2005 Student-Centered Learning (SCL), F.S, 15 &16 June 2005.
- Workshop on ISO9001/2000 for new academic staff. F.S, May 2005

- Course work on e-Sprint (computer literacy), FSAS, 26-27 May 2004.
- Workshop on Teaching Skills, Chemistry Department, F.S, 18-05-2004
- English course work, IDEAL, UPM, 21-5-2003 (1 week).
- Course work on Micro-Scale Chemistry and Low-Cost Ways of Teaching Practical Chemistry, in a workshop on Chemical Education.2000.Brunei.

CONFERENCES AND WORKSHOPS

- Plenary Speaker at the International Conference on Advanced Materials and Applied Sciences 2024 (IConMAS 2024) "**Green Synthesis of High Temperature Superconductor using neem fruit extract**", 26th – 27th June 2024. Kuala Lumpur, Malaysia.
- Plenary Speaker at the 35th International Conference of Analytical Sciences (SKAM 35) 2023, scheduled to be held on 28-30th August 2023 at Bayview Hotel Langkawi "**The Preparation of Pretreated Biochar using Jacaranda Fruits (Acid-modified) for Chromium Ions Removal from Aqueous Solutions**", Kedah Darul Aman, MALAYSIA
- 2nd International Conference on Science Education and Sciences (ICSES) " **Synthesis of Single and Multi-Component Ceramic Oxide Nanoparticles using *Juniperus phoenicea* Fruit Extract**", 3rd- 4th November 2022, Lumbak, Indonesia.
- The 1st International Conference on Materials, Energy & Environment (MEE2020) " **Green synthesis of metal oxide nanoparticles using Neem plant extract**", Eloued-Algeria, January 20-21, 2020
- Malaysian Solid State Science and Technology Association (MASSS) and 7th ICSSST 2019, " **Green synthesis of metal oxide nanoparticles using plant extracts: merits and constraints ",** Putra Jaya, Malaysia from 11-13 November 2019
- 5th Festival Training Institute to be held in Sharjah, the United Arab Emirates on April 17 – 19, 2018.
- Global Chemists' Code of Ethics Science and Technology Leadership Program (GCCE-ACS) Rabat, Morocco; 6-10 February 2017
- 250th American Chemical Society's (ACS) National Meeting & Expo in Boston, Massachusetts on 16-20 August 2015.
- 4th International Workshop and Conference on Nanomaterials and Nanodevices, December 8-9, 2014-Cairo, Egypt.
- Renewable Energy Innovation Accelerator Workshop, 27-30 January 2014-Amman, Jordan.
- Nanomaterial workshop and chemical risk management under national profile, Millenium Hotel, Amman, 5-8 January 2013

- The 3rd ISESCO International Workshop and Conference on Nanotechnology 2012 (IWCN2012), 5-7 December, Malaysia

PUBLICATIONS

Books:

1- Imad Hamadneh; Basel M. Jafar; Fawwaz I. Khalili, 2015, "A study on Adsorption of Fatty Hydroxamic Acids by Natural Clays", *Lap Lambert Academic Publishing*, Germany.
2- Imad Hamadneh; Abdulmonem O. Alatawi; Ammar H. Al-Dujaili, 2016 "Adsorption of Sm (III) and Nd (III) ions from aqueous solutions", *Lap Lambert Academic Publishing*, Germany.
3- Ammar H. Al-Dujaili; Alaa A Al-Bshaish; Imad Hamadneh, 2018 "Adsorption of Lanthanum (La) and Samarium (Sm) by Diatomaceous Earth", *Lap Lambert Academic Publishing*, Germany.

Papers in Refereed Journals

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2. Alkhaza'leh, H., Rahbeh, M., Hamadneh, I., AL-Mashakbeh, H., Albalawna, Z. Nanoparticles in Soil Reclamation: A Review of Their Role in Reducing Soil Compaction. Air, Soil and Water Research. 2025;18. **Q2,** https://doi.org/10.1177/11786221241311725
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