



Curriculum Vitae

Ahmed Kamal Hijazi

Personal Information:

Marital status: Married
Nationality: Jordanian

Date of Birth: 13/ 7/ 1975
Place of Birth: Irbid-Jordan

Address:

Jordan University of Science and Technology
Chemistry Department
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Education:

2006 Technical University of Munich, Munich-Germany, Ph.D degree in Inorganic Chemistry (Organometallic). (very good)

Title of Thesis: "Synthesis, Characterization and Immobilization of Solvent Ligated Complexes and their Catalytic Activity"
Advisor: Prof. Fritz E. Kühn

2002 Jordan University of Science and Technology, Irbid-Jordan, M.Sc degree in Applied Chemistry (Inorganic). (very good 80.2)

Title of Thesis: "Conversion of Phosphogypsum Waste into Ammonium and Potassium Sulfate Fertilizers"
Advisor: Dr. Moh'd Mulqi, Co-advisor: Dr. Isam Arafa

1998 Jordan University of Science and Technology, Irbid-Jordan
B.Sc degree in Applied Chemistry (good 70.1)

1993 Prince Al-Hasan Secondary School, Irbid-Jordan
General Secondary Education Examination / Scientific Stream

Scholarships:

2004 – 2006 Ph.D scholarship from the Technical University of Munich and the BASF AG (The Chemical Company).

1998 – 2001 M.Sc scholarship from Jordan University of Science and Technology.

Awards:

2009 Jordanian Higher Education Ministry Award for best research in the field of Basic Sciences(Chemistry, Mathematics, Physics and Biology).

Grants:

2011 Research grant from the German Research Committee (DFG)

Professional experience:

Sep. 2018 – Aug. 2019 Acting Chairman, Department of Applied Chemical Sciences– Jordan University of Science and Technology, Irbid-Jordan.

Sep. 2017 – Aug. 2018 Vice Dean, Faculty of Science and Arts, Jordan University of Science and Technology, Irbid-Jordan.

Mar. 2016 – Till now Associate Professor, Department of Applied Chemical Sciences–Jordan University of Science and Technology, Irbid-Jordan.

Sep. 2012- Mar. 2016 Assistant Professor, Department of Applied Chemical Sciences–Jordan University of Science and Technology, Irbid-Jordan.

Sep. 2010 – Aug. 2012 Acting Dean- Faculty of Science- Jerash University, Jerash-Jordan.

Feb. 2010- Jun. 2010 Visiting Assistant professor at Al-Imam Mohammed Ibn Saud Islamic University, Riyadh, Saudi Arabia. (Involved in the foundation of the chemistry department with two specializations: Industrial & Environmental).

Sep. 2008- Aug. 2009 Vice-Dean, Faculty of Science - Jerash University, Jerash-Jordan.

Sep. 2008- Aug. 2009 Acting Chairman of the Science Department, Faculty of Science - Jerash University, Jerash-Jordan.

Sep. 2007- Aug. 2012 Assistant Professor, Department of Sciences, Faculty of Science -Jerash University, Jerash-Jordan.

Sep. 2007- Feb. 2012 Part Timer, Department of Applied Chemical Sciences–Jordan University of Science and Technology, Irbid-Jordan.

Feb. 2007- Aug. 2009 Part Timer, Department of Basic Sciences–Philadelphia University, Amman-Jordan.

**Feb. 2002-Jun. 2003 Part-Timer, Department of Applied Chemical Sciences –
Jordan University of Science and Technology, Irbid-Jordan.**

**1998 – 2001 Department of Applied Chemical Sciences–Jordan University of
Science and Technology, Irbid-Jordan. (Teaching & supervising Chemistry
Laboratories)**

Courses:

Chem. 096 Basics in Chemistry
Chem. 100 Chemistry and Society
Chem. 101 General Chemistry I
Chem. 102 General Chemistry II
Chem. 103 General Chemistry for Medical Studies
Chem. 211 Organic Chemistry I
Chem. 221 & 222 Inorganic Chemistry I
Chem. 321 Inorganic Chemistry II
Chem. 351 Principles in Industrial Chemistry
Chem. 352 Industrial Organic Chemistry
Chem. 354 & 352 Industrial Inorganic Chemistry
Chem. 356 Pollution and Industrial Safety
Chem. 391 Literature Seminar
Chem. 433 Research Methodology
Chem. 458 Petrochemicals
Chem. 473 C Special Topics in Chemistry (C)

Labs:

Chem. 103 Practical General Chemistry
Chem. 107 Practical General Chemistry
Chem. 213 Practical Organic Chemistry
Chem. 218 Practical Organic Chemistry for Medical Studies
Chem. 224 Practical Inorganic Chemistry I
Chem. 322 Practical Inorganic Chemistry
Chem. 325 Practical Inorganic Chemistry II

Invited Reviewer for International Journals:

Polyhedron
CrystEngComm
Catalysis Letters
Journal of Luminescence
Intermediates in Chemistry
Letters in Organic Chemistry
Applied Petrochemical Research
Journal of Organometallic Chemistry
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy

Funded Projects: Total amount (181,100 USD)
(as principal researcher: 115,100 USD)

- Ln(III) Complexes of 1,3-bis(3,5-bis(trifluoromethyl)phenyl)thiourea moiety: Synthesis, Characterization, Catalytic, Biological and DFT Studies. **(amount: 14,000 USD) (grant #: 20210044)**
- Synthesis, characterization and Utilization of Silica Gel functionalized Lysine and Glycine entities for the Environmental Applications: Physiochemical Study. **(amount: 12,100 USD) (grant #: 20190401)**
- Synthesis, Characterization and a study on the catalytic and biological activities of Cu(I) ligated complexes bearing fluorinated and non-fluorinated counter anions. **(amount: 10,600 USD) (grant #: 20180151)**
- A Study on the Catalytic and Biological Activities of Transition Metal(II) Complexes derived from 2-Fluoro-N'-(2-hydroxybenzylidene)-benzohydrazide Schiff Base. **(amount: 11,500 USD) (grant #: 20170110)**
- Synthesis, Characterization and Catalytic Applications of Chelated Fe(III) Complexes Bearing Fluorinated and Non-fluorinated Counter Anions. **(amount: 12,800 USD) (grant #: 20150360)**
- Synthesis, Characterization of Fe(III) complexes bearing Fluorinated and Non-Fluorinated Counter Anions and a Study on their Biological and Catalytic Activities. **(amount: 10,700 USD) (grant #:20150129)**
- Synthesis, Characterization and Catalytic applications of solvent ligated complexes bearing non-fluorinated counter anion. **(amount: 13,500 USD) (grant #: 20140109)**
- Synthesis, Characterization of Lanthanides (III) Nitrate Complexes derived from Isonicotinic Acid Hydrazide and Studies on their fluorescence properties and Antimicrobial Activities. **(amount: 8,500 USD) (grant #: 2014004)**
- Synthesis, Characterization and Catalytic Activities of some Acidic Complexes. **(amount: 21,400 USD) (grant #: 20130042)**

Publications: [Scopus *h* index: 14][Google scholar *h* index: 14] [RG score: 26.23]

- 1) Sakthivel A., **Hijazi A. K.**, Hanzlik M., Chiang A. S. T. and Kühn F. E. "Heterogenization of $[\text{Cu}(\text{NCCH}_3)_6][\text{B}(\text{C}_6\text{F}_5)_4]_2$ and its application in catalytic olefin aziridination". *Applied Catalysis A: General*, **2005**, 294, Issue 2, 161-167.
- 2) Sakthivel A., **Hijazi A. K.**, Yeong H. Y., Kohler K., Nykon O. and Kühn F. E. "Heterogenization of a manganese(II) acetonitrile complex on AlMCM-41 and

AlMCM-48 Molecular sieves by ion exchange". *J. Mater. Chem.* **2005**, 15 (41), 4441-4445.

- 3) Sakthivel A., Syukri, **Hijazi A. K.** and Kühn F. E. "Heterogenization of $[\text{Cu}(\text{NCCH}_3)_4][\text{BF}_4]_2$ on mesoporous AlMCM-41/AlMCM-48 and its application as cyclopropanation catalyst". *Catal. Lett.*, **2006**, 111, Nos. 1-2, 43-49.
- 4) Sakthivel A., **Hijazi A. K.**, Al Hmaideen A. I. and Kühn F. E. "Grafting of $[\text{Cu}(\text{NCCH}_3)_6] [\text{B}\{\text{C}_6\text{H}_3(m\text{-CF}_3)_2\}_4]_2$ on the surface of aminosilane modified SBA-15". *Micropor. Mesopor. Mater.*, **2006**, 96, Issues 1-3, 293-300.
- 5) **Hijazi A. K.**, Yeong H. Y., Zhang Y., Herdtweck E., Nuyken O. and Kühn F. E. "Isobutene polymerization using $[\text{Cu}^{\text{II}}(\text{NCMe})_6]^{2+}$ with non coordinating anions as catalysts". *Macro. Rapid Comm.*, **2007**, 28, 670-675.
- 6) Syukri, **Hijazi A. K.**, Sakthivel A., Al-Hmaideen A. I. and Kühn F. E. "Heterogenization of solvent-ligated copper (II) complexes on poly(4-vinylpyridine) for the catalytic cyclopropanation of olefins". *Inorganica Chimica Acta*, **2007**, 360, Issue 1, 197-202.
- 7) **Hijazi A. K.**, Krishnan N. R., Jain K. R., Herdtweck E., Nuyken O., Walter H.-M., Hanefeld P., Voit B. and Kühn F. E. "Molybdenum(III) compounds as catalysts for 2-methylpropene polymerization". *Angew. Chem. Int. Ed.*, **2007**, 46, Issue 38, 7290-7292.
- 8) **Hijazi A. K.**, Krishnan N. R., Jain K. R., Herdtweck E., Nuyken O., Walter H.-M., Hanefeld P., Voit B. and Kühn F. E. "Molybdän(III)-Verbindungen als Katalysatoren für die Polymerisation von 2-Methylpropen". *Angew. Chem.*, **2007**, 119, Issue 38, 7428-7430.
- 9) Krishnan N. R., **Hijazi A. K.**, Komber H., Voit B., Zschoche S., Kühn F. E., Nuyken O., Walter M. and Hanefeld P. "Synthesis of highly reactive polyisobutylenes using solvent-ligated manganese (II) complexes as catalysts". *J. Polym. Sci. Part A: Polym. Chem.*, **2007**, 45, Issue 23, 5636-5648.
- 10) Li Y., Voon L. T., Yeong H. Y., **Hijazi A. K.**, Radhakrishnan N., Kohler K., Voit B., Nuyken O. and Kühn F. E. "Solvent-ligated copper (II) complexes for the homopolymerization of 2-methylpropene". *Chem. A: Eur. J.*, **2008**, 14, Issue 26, 7997-8003.
- 11) **Hijazi A. K.**, Al Hmaideen A., Syukri S., Radhakrishnan N., Herdtweck E., Voit B. and Kühn F. E. "Synthesis and characterization of acetonitrile ligated transition metal complexes containing tetrakis{(pentafluorophenyl)}borate as counter anions". *Eur. J. Inorg. Chem.*, **2008**, 2892-2898.
- 12) Taha Z. A., Ajlouni A., M., Al-Hassan K., **Hijazi A. K.** and Faiq A. B., "Syntheses, characterization, biological activity and fluorescence properties of

bis-(salicylaldehyde)-1,3-propylenediimine Schiff base ligand and its lanthanide complexes “. *Spectrochimica Acta - A - Molecular and Biomolecular Spectroscopy*, ISSN: 1386-1425, 81, Issue 1, **2011**, 317-323.

- 13) Ajlouni A., Taha Z. A., Al Momani W., **Hijazi A. K.** and Ebqa'ai M. A. "Synthesis, characterization, biological activities, and luminescent properties of lanthanide complexes with N,N'-bis(2-hydroxy-1-naphthylidene)-1,6-hexadiimine". *Inorganica Chimica Acta*, **2012**, 388, 120-126.
- 14) Taha Z. A., Ajlouni A., **Hijazi A. K.**, Kühn F. E. and Herdtweck E. "Redetermination of $[\text{Gd}(\text{NO}_3)_3(\text{H}_2\text{O})_4] \cdot 2\text{H}_2\text{O}$ ". *Acta Cryst. Section E*, **2012**, E68, i56-i57.
- 15) Ajlouni A., Mhaidat I., Al Momani W., **Hijazi A. K.**, Taha Z. A. and Al-Zoubi M. "Synthesis, Characterization and Antibacterial Activity of New Cu(II) and Zn(II) Complexes of Schiff Bases Derived from 9-H-Fluoren-9-one". *Jordan J. Chem.*, **2013**, 8, 225-236.
- 16) **Hijazi A. K.**, Taha Z. A., Ajlouni A., Radhakrishnan N., Voit B. and Kühn F. E. "Improved synthesis, characterization and catalytic application of $[\text{H}(\text{OEt}_2)_2][\text{B}\{\text{C}_6\text{H}_3(\text{m}-\text{CF}_3)_2\}_4]$ ". *J. Organometal. Chem.*, **2014**, 763-764, 65-68.
- 17) Taha Z. A., Ajlouni A. M., **Hijazi A. K.**, Al-Rawshdeh N. A., Al-Hassan K. A., Al-Haj Y. A., Ebqa'ai M and Altalafha A.Y. "Synthesis and Luminescent Spectroscopy of Lanthanide Complexes with Dimethylpyridine-2,6-dicarboxylate (dmpc)". *J. Luminescence*, **2015**, 161, 229-238.
- 18) Ajlouni A. M., **Hijazi A. K.**, Taha Z. A., Al Momani W. "Cu(II) and Zn(II) Complexes of Polydentate Schiff Base Ligands: Synthesis, Characterization, Properties and Biological Activity". *Proceedings of the Pure and Applied Chemistry International Conference, PACCON2015*, Bangkok, Thailand 21-23 Jan. **2015**, pp. 178-181.
- 19) **Hijazi A. K.**, Abu-Salem Q., Ajlouni A. M., Taha Z. A. "Crystal Structure Determination of 2-(9H-Fluoren-9-Ylidene) Hydrazinecarbothioamide, $\text{C}_{14}\text{H}_{11}\text{N}_3\text{S}$ ". *Z. Kristallogr. NCS*, **2016**, 231, 129-131.
- 20) Ajlouni A. M., Abu-Salem Q., Taha Z. A., **Hijazi A. K.**, Al Momani W. "Synthesis, characterization, biological activities and luminescent properties of lanthanide complexes with [2-thiophenecarboxylic acid, 2-(2-pyridinylmethylene)hydrazide] Schiff bases ligand" *J. Rare Earths*, **2016**, 34, 986-993.
- 21) **Hijazi A. K.**, Taha Z. A., Ajlouni A. M., Al Momani W. M., Ababneh T. S., Alshare H. M., Kühn F. E. "Synthesis, Catalytic and Biological Activities and Computational Study of Fe(III) Solvent-Ligated Complexes having $\text{B}(\text{Ph})_4$ as Counter Anion" *Appl. Organometal. Chem.*, **2017**, 31, e3601, 7 pages.

- 22) **Hijazi A. K.**, Taha Z. A., Ajlouni A. M., Al Momani W. M., Idris I. M., Abu Hamra E. " Synthesis and Biological Activities of Lanthanide (III) Nitrate Complexes with N-(2-hydroxynaphthalen-1-yl) methylene) Nicotinohydrazide Schiff Base" *Med. Chem.*, **2017**, 13, 77-84.
- 23) Taha Z. A., **Hijazi A. K.**, Ababneh T. S., Mhaidat I., Ajlouni A. M., Al-Hassan K. A., Mitzithra C., Hamilakis S., Danladi F., Altalafha A.Y. " Photophysical properties and computational study of newly synthesized lanthanide complexes with N-(2-carboxyphenyl) salicylideneimine Schiff base ligand" *J. Luminescence*, **2017**, 181, 230-239.
- 24) Taha Z. A., Ajlouni A. M., Ababneh T. S., Al Momani W. M., **Hijazi A. K.**, Al Masri M., Hammad H. " DFT computational studies, biological and antioxidant activities, and kinetic of thermal decomposition of 1,10-phenanthroline lanthanide complexes" *Struct. Chem.*, **2017**, 28, 1907-1918, DOI 10.1007/s11224-017-0975-2.
- 25) Taha Z. A., Ababneh T. S., **Hijazi A. K.**, Abu-Salem Q., Ajlouni A. M., Ebwany S. "Synthesis, density functional theory calculations and luminescence of lanthanide complexes with 2,6-bis[(3-methoxybenzylidene)hydrazinocarbonyl] pyridine Schiff base ligand" *Luminescence*, **2018**, 33, 79-88, DOI: 10.1002/bio.3375.
- 26) Ajlouni A. M., Taha Z. A., **Hijazi A. K.**, Al Momani W. M. "A series of Lanthanide Complexes with 2-Fluoro-N'-(furan-2-ylmethylene)benzohydrazide ligand: Synthesis, Characterization, Luminescent Properties and Biological Evaluation." *Appl. Organometal. Chem.*, **2018**, 32, e4536, 10 pages, DOI: 10.1002/aoc.4536.
- 27) Ajlouni A. M., **Hijazi A. K.**, Taha Z. A., Al Momani W., Okour A., Kühn F. E. "Synthesis, characterization and biological and catalytic activities of propionitrile – ligated transition metal complexes with $[B(C_6F_5)_4]$ as counter anion." *Cat. Lett.*, **2019**, 149, 2317-2324.
- 28) Mhaidat I., Taha Z. A., Al Momani W., **Hijazi A. K.** "Photoconductivity, Antioxidant, and Antimicrobial Activities of Some Acenaphthenequinone Derivatives" *Russ. J. Gen. Chem.*, **2019**, 89, 2584-2590.
- 29) **Hijazi A. K.**, Taha Z. A., Ababneh T. S., Alshare H. M., Al-Bataineh N., Al Momani W. M., Ajlouni A. M. "In Vitro Biological, Catalytic and DFT Studies of Some Iron(III) N-Ligated Complexes" *Chemical Papers*, **2020**, 74(5), 1561-1572. DOI: 10.1007/s11696-019-01009-z.
- 30) Taha Z. A., **Hijazi A. K.**, Al Momani W. M. "Lanthanide complexes of the tridentate Schiff base ligand salicylaldehyde-2- picolinoylhydrazone: Synthesis, characterization, photophysical properties, biological activities and catalytic

oxidation of aniline” *J. Mol. Struct.*, 2020, 1220, Article 128712, 9 pages, DOI: 10.1016/j.molstruc.2020.128712.

- 31) **Hijazi A. K.**, Taha Z. A., Al-Dawood L. A., Ababneh T. S., Al Momani W. M. “Catalytic Cyclopropanation, Antimicrobial, and DFT Properties of some Chelated Transition Metal(II) Complexes” *J. Mol. Struct.*, **2021**, 1228, Article 129733, 8 pages, DOI: <https://doi.org/10.1016/j.molstruc.2020.129733>.
- 32) Taha Z. A., **Hijazi A. K.** “Structural and Photophysical Properties of Lanthanide Complexes with N'-(2-methoxybenzylidene)-2-pyridinecarbohydrazide Schiff Base Ligand: Catalyzed Oxidation of Anilines with Hydrogen Peroxide” *J. Mol. Struct.*, **2021**, 1238, Article 130451, 9 pages. DOI:<https://doi.org/10.1016/j.molstruc.2021.130451>.
- 33) **Hijazi A. K.**, Taha Z. A., Ibdah A., Idris M. I., Al-Momani W. M. “Structural Properties and in vitro Evaluation of some Ln (III) Complexes as Potential Selective Antimicrobial and Antioxidant Substances” *Chemical Papers*, 2021, 75, 4611-4624. DOI: <https://doi.org/10.1007/s11696-021-01676-x>.

Patents:

- 1) Hanefeld Phillip, Böhm Volker, Sigl Marcus, Challand Nina, Röper Michael, Walter Hans-Michael, Voit Brigitte, Kuehn Fritz Elmar, **Hijazi Ahmed**, Narayanan Radha Krishnan: Method for producing highly reactive isobutylene homo- or copolymers using boron-containing catalyst complexes. BASF May **2007**: WO 2007/057404
- 2) Hanefeld Phillip, Boehm Volker, Sigl Marcus, Challand Nina, Roper Michael, Walter Hans Michael, Voit Brigitte, Kuehn Fritz Elmar, **Hijazi Ahmed K**, Narayanan Radha Krishnan: Method for producing highly reactive isobutylene homo-or copolymers using boron-containing catalyst complexes. BASF July **2008**: KR 1020087013624
- 3) Hanefeld Phillip, Walter Hans-Michael, Kuehn Fritz Elmar, Voit Brigitte, **Hijazi Ahmed**, Narayanan Radha Krishnan: Process for polymerizing ethylenically unsaturated monomers. BASF August **2008**: WO 2008/095933
- 4) Hanefeld Phillip, Boehm Volker, Sigl Marcus, Challand Nina, Roper Michael, Walter Hans-Michael, Voit Brigitte, Kuehn Fritz Elmar, **Hijazi Ahmed**, Narayanan Radha Krishnan: Method for producing highly reactive isobutylene homo- or copolymers using boron-containing catalyst complexes. BASF August **2008**: EP1954727
- 5) Phillip Hanefeld, Volker Bohm, Marcus Sigl, Nina Challand, Michael Roper, Hans-Michael Walter, Brigitte Voit, Fritz Elmar Kuehn, **Ahmed Hijazi**, Radha Krishnan Narayanan: Method for Producing Highly Reactive Isobutylene Homo-or Copolymers Using Boron-Containing Catalyst Complexes. BASF Oct, 9 **2008**: US 20080249267
- 6) Hanefeld Phillip, Boehm Volker, Sigl Marcus, Challand Nina, Roper Michael, Walter Hans-Michael, Voit Brigitte, Kuehn Fritz Elmar, **Hijazi Ahmed**,

Narayanan Radha Krishnan: Method for producing highly reactive isobutylene homo- or copolymers using metal-containing catalyst complexes. BASF December 2008: CN 200680047558

Conferences, Workshops & Scientific Days:

- **Hijazi A. K.**, El-khateeb M. Y., Khwaileh N. M., Al Momani W. M. " Biological Properties of some Transition Metal(II) Complexes having a Pyridine Moiety", 9th International Advances in Applied Physics & Materials Science Congress & Exhibition "9th APMAS2019", 22-28 October, **2019** , Oludeniz, Turkey.
- **Hijazi A. K.**, Alshare H., Taha Z. A. " Chelated Fe(III) Complexes: Catalytic, Biological and DFT Studies", 7th Drug Chemistry Conference: Design, Synthesis, Production and Standardization of Drug Active Substances, Mirage Park Resort, 14 – 17 March, **2019**, Kemer, Antalya, Turkey.
- Chemical Security Seminar IV, 1-3 July **2018**, Amman, Jordan. "Sponsored by the U.S. Department of State, Chemical Security Program".
- **Hijazi A. K.**, Taha Z. A., Al-Athamneh I. M. " Synthesis, Characterization, Catalytic and Biological Activities of First Row Transition Metals Complexes Derived from 2-floro-N-((2-hydroxynaohthalen-1-yl)methylene)benzohydrazide" 8th International Advances in Applied Physics and Materials Science Congress & Exhibition (APMAS 2018), Sentido Lykia Resort Oludeniz, Turkey, 24-30 Apr., **2018**.
- Online Learning Design Workshop, Jordan University of Science and Technology, Irbid-Jordan, 8-9 Jan **2018**.
- **Hijazi A. K.**, Al-Share H., Taha Z. A. " Synthesis, Characterization of Fe(III) Complexes Bearing Different Counter Anions and a Study on their Biological and Catalytic Activities" 7th International Advances in Applied Physics and Materials Science Congress & Exhibition (APMAS 2017), Sentido Lykia Resort Oludeniz, Turkey, 22-26 Apr., **2017**.
- **Hijazi A. K.**, Taha Z. A., Ajlouni A, Al-Sharea H. "Synthesis, Characterization and Catalytic Activity of Fe(III) Complexes Bearing Non-coordinating Anions" Pure and Applied Chemistry International Conference 2015 (PACCON 2015), Bangkok-Thailand, 21-23 Jan. **2015**.
- E-Learning:Open Education Resources Workshop, Jordan University of Science and Technology, Irbid-Jordan, 17-18 Sep. **2014**.
- **Hijazi A. K.**, Taha Z., Ajlouni A. "Synthesis, Characterization of Lanthanides(III) Nitrate Complexes derived from Isonicotinic Acid Hydrazide and studies on their Fluorescence Properties and Antimicrobial Activities" 18th International Symposium on Bioluminescence and Chemiluminescence (ISBC 2014), Uppsala-Sweden , 23-28 Jun. **2014**.

- **Hijazi A. K.**, Taha Z., Ajlouni A., Kuehn F. E., Herdtweck E. “Spectroscopic studies on N-((2-hydroxynaphthalen-1-yl)methylene)nicotinohydrazide (L) Lanthanide complexes in solid and solution” International Turkish Congress on Molecular Spectroscopy (TURCMS 2013) Istanbul-Turkey, 15-20 Sep. **2013**.
- Statistical Package for Social Sciences Workshop, Jordan University of Science and Technology, Irbid-Jordan, 22-23 May **2013**.
- Jordan-European Union Higher Education Cooperation Day, University of Jordan, Amman-Jordan, 21 Jan. **2013**.
- Modern University Instructional Methods Workshop, Jordan University of Science and Technology, Irbid-Jordan, 6-7 Jan **2013**.
- The 12th Jordanian Chemistry conference, Amman Industrial Chamber, Amman-Jordan, 17 Nov. **2012**
- The 18th International Conference on Solid Compounds of Transition Elements, Lisboa-Portugal (31/3-5/4/**2012**).
- 7th Nanoscience and Nanotechnology Conference -**2011**, Turkey-Istanbul (27/6-1/7/**2011**). (participation funded by the European Union)
- The International Conference on Materials in Jordan, German-Jordanian University, Amman-Jordan, 9-11 Apr. **2011**. (Humboldt Kolleg)
- Teaching Strategies Workshop, Jerash university, Jerash-Jordan, 23-23 Feb. **2011**.
- Jordan-European Union Higher Education Cooperation Day, University of Jordan, Amman-Jordan, 15 Dec. **2010**.
- Measurement and Evaluation Workshop, Jerash University, Jerash-Jordan, 21-29 Jun. **2009**.
- Chemical Safety and Security Workshop, Jordan University of Science and Technology, Irbid-Jordan, 13 Apr. **2009**.
- **Hijazi A. K.**, Al Hmaideen A., Syukri S., Radhakrishnan N., Herdtweck E., Voit B., Kühn F. E. “ Synthesis and Characterization of Acetonitrile Ligated Transition Metal Complexes Containing Tetrakis{(pentafluorophenyl)}borate as Counter Anions ”. The 14th Arab Chemistry Conference and Exhibition (ACC-14). March 31 - April 3, **2008**, Tripoli – Libya.
- Radhakrishnan N., **Hijazi A.**, Komber H., Voit B., Kühn F., Nukyen O., Hanefeld P. And Walter H.-M.. “ Synthesis of highly reactive polyisobutylene using transition metal complexes containing weakly coordinating anions”. IUPAC International Symposium on Ionic Polymerization **2007** (IP’ 07). September 2-7, **2007**, Kloster Banz (Banz Monastery) near Bayreuth, Germany.

- Radhakrishnan N., **Hijazi A.**, Zschoche S., Komber H., Voit B., Nukyen O. and Kühn F. E. “Synthesis of highly reactive polyisobutene (HRPIB) using manganese (II) complexes as catalysts”. Symposium on Polymer Architecture - from Structure to Functional Control (Budapest, AUGUST 30 - SEPTEMBER 1, **2006**) held in the framework of the 1ST EUROPEAN CHEMISTRY CONGRESS.

Training Courses:

- Jordan Chemical Inventory Management Course, 22 Nov. – 24 Dec. **2020**, Sandia National Laboratories.
- CSP Chemical Safety and Security Officer, Train-the-Trainer Workshop, Jordan University of Science and Technology, Irbid-Jordan, 2-6 Jun. **2013**.
- Chemical Safety and Security Officer Training, Jordan University of Science and Technology, Irbid-Jordan, 14-18 Feb. **2010**.

Supervision of Thesis and Dissertations:

Advisor

- **Idris M. Idris (2014)** “Synthesis, Characterization of Lanthanides (III) Nitrate Complexes derived from Nicotinic and Isonicotinic Acid Hydrazide and Studies on their Antimicrobial and Antioxidant Activities”.
- **Heba M. Alshare (2016)** “Synthesis, Characterization of Fe(III) Complexes Bearing Different Counter Anions and a Study on their Biological and Catalytic Activities”.
- **Esraa M. Al-Athamneh (2017)** “Synthesis, Characterization, Catalytic and Biological Activities of First Row Transition Metals Complexes Derived from (E)-2-Flouro-N-((2-Hydroxynaphthalen-1-yl)Methylene)Benzohydrazide”.
- **Lina A. Al-Dawood (2017)** “Synthesis, Characterization, Biological and Catalytic Applications of Chelated Transition Metal (II) Complexes Bearing B(C₆F₅)₄ as a Counter Anion”.
- **Samar M. Mahmoud (2018)** “In-Vitro Biological Studies of New Prepared Ln(III) Complexes Derived from (2-Flouro-N'-((E)-2-Hydroxyphenyl Methylene) Benzohydrazide) Schiff Base Ligand”.
- **Noor M. Khwaileh (2019)** “Biological Properties of Some Transition Metal (II) Complexes Having a Pyridine Moiety”.
- **Nisreen J. Abuhamad (2019)** “Cu(I) Complexes Having Propionitrile and Pyridine Moieties: In-vitro Biological Study”.

- **Motasem B. Albayed (2021)** “Utilization of Silica Gel Functionalized Glycine for the Removal of Iron (III) Ion”.
- **Aya N. Al-Matarneh (2021)** “Impregnation of Benzyl-L-Cysteine into Silica Gel for the Removal of Cadmium(II) Ion from Water”.

Co-Advisor

- **Fahad I. Dandali (2014)** “Synthesis and Spectroscopic Characterization of some Lanthanide Complexes with 2-((2-Hydroxy-Benzylidene)-Amino)-Benzoic Acid”.
- **Sani S. Bashir (2014)** “Synthesis and Spectroscopic Characterization of some Lanthanides Complexes with Schiff Base derived from 2-Hydroxy-1-Naphthaldehyde and 2-Aminobenzoic Acid and studies on their Spectroscopic Properties and Biological Activities”.
- **Areen R. Okour (2016)** “Synthesis, Characterization of Propionitrile Ligated Transition Metal (II) Complexes with $(B(C_6F_5)_4)$ as Counter Anion and a Study on their Biological and Catalytic Activities”.
- **Nour K. Bany Hamad (2019)** “Kinetics and Mechanistic Study of the Monomerization Reaction for Re(V) Dimer with Series of Monodentate Ligands”.
- **Diana K. Alsabab (2021)** “Cyclopentadienyl Ruthenium Dicarbonyl Complexes Containing Different Types of Sulfur Ligands”.
- **Arwa Y. Al Smadi (2021)** “Lanthanide Complexes with N, N-bis(2-hydroxy-5-R-benzylidene)-1, 2-Phenylenediamine Schiff Base Ligands: Synthesis, characterization, Photophysical Properties and Biological Activity”.

Master Theses Examining Committees:

- **Hassan Abul Futouh (2010)** “Synthesis of Molybdenum and Tungsten Complexes Containing O-Alkyl Thiooxalato Ligands”.
- **Abdullah M. Abu-Anzeh (2010)** “Synthesis of Lanthanide Complexes with Ligands Featuring Poluamide and Studies on their Luminescence Properties and Biological Activities”.
- **Abeer A. Al-Ghzawi (2010)** “Synthesis and Spectroscopic Characterization of Complexes of some Lanthanides with N, N'-Bis(1-Naphthalaldimine)-O-Phenylenediamine”.
- **Mohammad A. Ebqaai (2011)** “Synthesis and Characterization of Lanthanides Complexes with Schiff Bases derived from 2-Hydroxy-1-naphthaldehyde and 1,6-Hexadamine and Studies on their Spectral and Biological Activities”.

- **Sawsan I. Fayoumi (2014)** “Synthesis and Properties of Poly(Glycidyl Methacrylate) Grafted Inulin Copolymers for Controlled Release of Drugs”.
- **Abdulhadi Mustapha (2014)** “Synthesis and Spectroscopic Characterization of Some Lanthanides Complexes with Schiff Base Derived from Salicylaldehyde and 3-Methoxybenzene-1-Carbohydrazide and Studies on their Spectroscopic Properties and Biological Activities”.
- **Eman M. Al-Gendari (2016)** “Photo-Luminescence Properties of Organosilicone-Salen Schiff Bases Molecular Systems”.
- **Huda M. Hammad (2016)** “Synthesis, Antioxidant, Biological Activities and Kinetics of Thermal Decomposition of Lanthanide Complexes with 1, 10-Phenanthroline”.
- **Ala'a A. Mansour (2017)** “Substitution Reaction of Thio-, Dithio and Trithiocarbonate Complexes of Iron by EPh₃ Ligands”.
- **Zeinab O. Albadareen (2017)** “Synthesis and Characterization of Nickel, Palladium and Platinum Dithiocarbamate Complexes Containing Bis(diphenylphosphino)methane or Ferrocene”.
- **Batool S. Al-Juneidi (2019)** “Synthesis and Reactions of Iron Vinyl-Thiocarboxylate Complexes”.
- **Yousef N. Obeid-Allah (2020)** “A Study of the Thermoelectric Characteristics of Metal Borides Embedded into Charcoal Carbon, Graphitic Carbon and Graphene Composites”.
- **Namareq A. Braik (2021)** “Preparation of (1-ethyl-7-methyl-3-(4-methyl-5((4-methylbenzyl)thio)-4H-1,2,4-triazol-3-yl)-1,8-naphthyridin-4(1H)-one) and its Application as Corrosion Inhibitor for Aluminum in Acidic and Basic Solutions”.
- **Sajeda M. Al-Aqtash (2021)** “Synthesis, Spectroscopic Characterization, and Antimicrobial Activity of Lanthanide(III) Complexes of Schiff Base Ligands derived from 2-Fluoro Benzoic Acid Hydrazide, and 5-Chloro and 5-Bromo-2-hydroxy Benzaldehyde”.
- **Bayan A. Haimur (2021)** “Synthesis and Characterization of Palladium N-containing Heterocyclic Dithiolato Complexes”.

Committees & Councils:

- Member of the Quality Assurance & Accreditation committee/ Chemistry Dept./ Jordan University of Science and Technology **2020/2021**.
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- Member of the Study Plan committee/ Chemistry Dept. / Jordan University of Science and Technology **2012/2013, 2013/2014**.
- Member of the Quality Assurance & Accreditation Council/ Jerash University **2011/2012**.
- Member of the Study Plans committee/ Jerash University **2010-2012**
- Member of the Study Plans committee/ Al-Imam Mohammed Ibn-Saud Islamic University **2010**.
- Member of the Equivalency of Diplomas committee/Jerash University **2008-2012**.
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- Member of the Asian Chemical Society
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- Member of the Jordanian Society of Scientific Research
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References: Provided upon request