

Curriculum Vitae

Personal Data

Prof. Dr. Eid Abd Al-Razaq

Name: Eid A.E. Abd Al-Razaq
Gender: Male
Nationality: Jordanian
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Date of birth: 8/3/1973
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Academic Qualification :

1995	B.Sc. in Chemistry / Applied Chemistry (Industrial Chemistry), College of Science, Jordan University of Science and Technology / Jordan
2000	M.Sc. in Inorganic Chemistry, College of Science, University of Mosul, Iraq
2003	Ph.D. in Inorganic Chemistry, College of Science, University of Mosul, Iraq.

Academic Rank:

Assistant Professor from 26 September to 2004.
Associate Professor since 4 July 2011.
Professor since 3 September 2024.

Title of Theses:

Title of the M.Sc. thesis: Preparation and Study of some Poly Nuclear Complexes with Furfurylxanthate Ligand.

Title of the Ph.D. thesis: Synthesis, Characterization, and Theoretical Study of Dithiocarbamate-Complexes with Some Transition Metals and Zinc.

Administrative Experiences:

1- Member of the Chemistry Department staff at Al-Hussein Bin Talal University from 2004 to now
2- Member of the Chemistry Department staff at Islamic University in Madinah – Saudi Arabia: 2012- 2018
3- Head of the Chemistry Department at Al-Hussein Bin Talal University: 2008 – 2010.
4- Member of the Al-Hussein Bin Talal University council for 2010/2011.
5- Deputy Dean of the College of Science – Al-Hussein Bin Talal University: 1/9/2011 to 29/1/2012.
6- Acting Dean of the College of Science 29/1/2012 – 8/9/2012.
7- Deputy Dean of the College of Science – Al-Hussein Bin Talal University 2018 – 2020.
8- Member of the Al-Hussein Bin Talal University council for 2025/2026.

Research Interest:

1- **Synthesis and characterization of new complexes and ligands containing different donor atoms.**
2- Theoretical calculations of new compounds.
3- Study of the biological activity of the compounds.

Publications:

1- Nabeel H. Buttrus and **Eid A. Abdalrazaq**, Reaction of $VOCl_3$ and $TaCl_5$ with the Ligands 1,2-Bis(o-Aminophenylthio)ethane and 1,1,2,2-Tetrakis (*o*-aminophenyl) Ethene, Jordan Journal of Applied Science, Volume 6, No. 1, 2004**.**

2- **Eid A. Abdalrazaq**, Manal A.Al-Shama'a, Omar M. Al-Ramadani, Talal A.Al-Allaf, Synthesis and Characterization of Organosilicon(IV) Complexes with Some Schiff-base derivatives**,** Int.J.Chem.Sci:3(2), 253-262, 2005.

3- Nabeel.H.Buttrus, **Eid.A.Abd Alrazaq,** and Abdo K.AL-Sger, Synthesis and Characterization of some new semi conducting dinuclear Platinum (II) complexes containing 1,1,2,2-tetrakis-(substituted phenylthio) ethylene, Int.J.Chem.Sci.5 (3), 1111-1120, 2007.

4- Ammar A. Ibrahim and **Eid A. Abdalrazaq**, Physical Properties of Phenol Compound: Semi-empirical Calculation of Substituent Effects [Part One], American journal of applied sciences, 6 (7), 1385-1389, 2009.

5- **Eid A. Abdalrazaq**, Nabeel H. Buttrus**,** Abd Al-moujod M. Abd Al-Rahman, Synthesis and characterization of gold (III) complexes with bis-(1,4-sodium thioglucolate) butane ligand, Asian Journal of Chemistry, Vol. 22, No. 3, 2179-2186, 2010.

6- **Eid A. Abdalrazaq**, Omar M. Al-Ramadane, Khansa S. Al-Numa, Synthesis and Characterization of Dinuclear Metal Complexes Stabilized by Tetradentate Schiff Base Ligands, American Journal of applied sciences; 7 (5), 628- 633, 2010.

7- **Eid Abdalrazaq**, Nabeel Buttrus, Wedad Al-Kattan, Abdel Aziz Jbarah, and Mansour Almatarneh, Reactions of Pd^{2+} and Pt^{2+} with Pyrrolidinedithio Carbamate and Cystine Ligands: Synthesis and DFT Calculations, Journal of Sulfur Chemistry, Vol 32, No. 2, 159-169, April 2011.

8-**Eid A Abdalrazaq**, Omar M. Alramadane and Khansa S. Alnuma, Synthesis and characterization of some mixed ligands complexes from *o*-phthalic acid as primary ligand, International Journal of Applied Chemistry, Vol 7, No. 1, 93-100, 2011.

9- Ammar A. Ibrahim, **Eid A. Abdalrazaq**, Maher A. Ibrahim, Rosiyah Yahya, and Entesar A. Sulliman, Quantum Chemical Calculations (QSAR) of Antipyrine Drug and Its Metabolites, Asian Journal of Chemistry, Vol 24, No. 1, 2012.

10 – Nabeel H. Buttrus, Sabah.M. Mohamed, Assim.A. Sabah, **Eid.A. Abdalrazaq**, Synthesis and Characterization of Ni^{2+}, Cu^{2+} and Zn^{2+} Complexes with Benziimidazole-2-thionate, Diphosphene and their Reaction with Iodine, Asian Journal of Chemistry, Vol.25, No.9,4856-4860, 2013.

11- S. Al-Thyabat and **Eid A. Abdalrazaq**, H. Alnawafleh, K.Al-Tarawneh, Beneficiation of oil shale by froth flotation: Critical review, The open mineral processing journal, 7, 1-12, 2014.

12- **Eid A. Abdalrazaq**, Nabeel Buttrus, Enas H. Mohammed and Abdel Aziz Jbarah, Synthesis and DFT Calculations of Dinuclear complex of Co^{2+}, $Ni^{2+,}$ and Cu^{2+} with macrocyclic Schiff base Ligands, Oriental journal of chemistry, Vol.32, No. 1, 137-148,2016.

13- Ammar A. Ibrahim, Ali Y. Abd-Alrazzak, **Eid A. Abdalrazaq**, Tamara Shamil, Entesar A. Sulliman, Theoretical Prediction of Lipophilicity for

Some Drugs Compounds, Oriental Journal of Chemistry, vol.36, No.(1), 2020, 114-119.

14- Ali Mahmood Ali, Taghreed H Al-Noor, **Eid A. Abdalrazaq**, and Abdel Aziz Qasem Jbarah, Synthesis and DFT Study of the Complexation of Schiff Base Derived Curcumin and L-Tyrosine with Al(III), Ag(I), and Pb(II) Metal Ions, *Indones. J. Chem., 2021, 21 (3), 708 – 724*.

15- **Eid A. Abdalrazaq**, Abdel Aziz Qasem Jbarah, Tagreed Hashim Al-Noor, Gassan Thabit Shinain, and Mohammed Mahdi Jawad, Synthesis, DFT Calculations, DNA interaction and Antimicrobial Studies of Some Mixed Ligand Complexes of Oxalic acid and Schiff Base Trimethoprim with Various Metal Ions. Indones. J. Chem., 2022, 22 (5), 1348 – 1364.

16- Indah Raya, Desy Kartina, Rizal Irfandi, Sandi Sufiandi, Ronald Ivan Wijaya, Prihantono Prihantono, **Eid A. Abdalrazaq**, Mahmoud Kandeel, and Andi Nilawati Usman; The new potential application for Mg(II) cysteinedithiocarbamate complex with anticancer activity, Breast Disease 42 (2023) 177–182, DOI 10.3233/BD-239006.

17- **Eid A. Abdalrazaq**, Rehab Kadhim Raheem Al-Shemary and Abdel Aziz Qasem Jbarah, Synthesis, Characterization, Cytotoxicity, DFT calculations, and DNA interaction studies of new Schiff base metal(II) complexes, Bulgarian chemical communications 55-3, 2023, 196, DOI: 10.34049/bcc.55.3.5559.

18- Rizal Irfandi, Indah Raya, Ahyar Ahmad, Ahmad Fudholi, Riswandi, Santi Santi, Wynda Puspa Azalea, Suriati Eka Putri, Muhammad Nur Alam, Unang Supratman,Samuel Olawale Olubode,**Eid A. Abdalrazaq**,Mahmoud Kandeel, Nunuk Hariani Soekamto, Hasnah Natsir, Maming, Ramlawati, Design anticancer potential of Zn(II)isoleucinedithiocarbamate complex on MCF-7 cell lines: synthesis, characterization, molecular docking, molecular dynamic, ADMET, and in-vitro studies, Molecular Diversity, 2023, https://doi.org/10.1007/s11030-023-10747-y.

19-Mohammed A. Ashij, Hanady S. Al-Shmgani, Ghassan M. Sulaiman, Hamdoon A. Mohammed, **Eid A. Abdalrazaq**, Salim Albukhaty, Investigation of Antibacterial Activity and Wound Healing Promotion Properties Induced by Bromelain-Loaded Silver Nanoparticles, Plasmonics, Vol.18 (6), 2023, https://doi.org/10.1007/s11468-023-02127-x

20- Indah Raya1, Desy Kartina, Ronald Ivan Wijaya, Rizal Irfandi, **Eid A. Abdalrazaq**, Prihantono Prihantono, Santi Santi, Eka Pratiwi, Andi Besse Khaerunnisa, Dewi Luthfiana, Bulkis Musa, Hasnah Natsir, Maming Maming, Zaraswati Dwyana Zainuddin, Ramlawati Ramlawati, Ahmad Fudholi1, Andi Nilawati Usman1, Unang Supratman, Maulida Mazaya, Sandi Sufiandi, Novel Complex of Zinc (II) Dichloroethylenediamine: Synthesis, Characterization, In-silico, and In-vitro Evaluation against Cervical Cancer Cells, Asian Pac J Cancer Prev, 2023, 24 (12), 4155-4165.

21- **Eid Ahmed Abdalrazaq**, Hala Kh. Mohammed, Daria K. Voronkova,Sanjeev Kumar Joshi, Ebraheem Abdu Musad Saleh, Anaheed Hussein Kareem,Abhinav Kumar, Ahmed Alawadi, Ali Alslaami, and

Rohollah Fathollahi, Palladium anchored to BisPyP@bilayer-SiO2@NMP organic-inorganic hybrid as an efficient and recoverable novel nanocatalyst in Suzuki and stille C–C coupling reactions, Scientific Reports, 2024,14, 1-17, DOIhttps://doi.org/10.1038/s41598-024-59666-4

22- **Eid A. Abdalrazaq**, Abdel-Aziz Abu-Yamin, Deeb Taher, Abdullah E. Hassan, Ahmed A. Elhenawy, Zn(II) and Cd(II) complexes of dithiocarbamate ligands: synthesis, characterization, anticancer, and theoretical studies, Journal of Sulfur Chemistry, 45(5), 2024, DOI: 10.1080/17415993.2024.2384751

23- Laith Jumaah Al-Gburi, Taghreed H. Al-Noor, **Eid A. Abdalrazaq**, Biological Activity of Metal Complexes of Sulfamethoxazole and Its Derivatives, A Literature Review, Ibn Al-Haitham Journal for Pure and Applied Sciences, 38 (1), 2025, doi.org/10.30526/38.1.3091.

24- Fadliah Fadliah, Muhammad Burhannudinnur, Paulina Taba, Abdul Wahid Wahab, Syahruddin Kasim, Abdul Karim, Hasri Hasri, Subandrio Subandrio, Tri Widayati Putri, Arfiani Nur, Ghanima Yasmaniar, Ridha Husla, Sulistiani Jarre, Audrey Zahra, **Eid Abdalrazaq**, Shiva Prasad Kollur, Indah Raya, Sustainable Nickel Recovery from Nickel Slag Waste Using Diethylamine Dithiocarbamate: Enhancing Resource Efficiency and Minimizing Environmental Impact, Indonesian Journal of Urban and Environmental Technology, Volume 8, Number 1, page 177-201, April 2025, Doi: https://doi.org/10.25105/urbanenvirotech.v8i1.22589

Conferences:

1- The **9th International Conference on Chemistry and its Role in Development**, Mansoura – Sharm El-Sheikh, April 16-19/2007, Egypt. **(Oral presentation)**

2- **The 15th Arab Chemical Conference (ACC 15)**, 20-22 April 2010. Faculty of Science, Al-Baath University, Homs, Syria. **(Oral presentation)**

3- **International Conference on Chemistry and Chemical Process ICCCP 2011**, 28-29 May 2011, Bangkok, Thailand. **(Oral presentation)**

4- **Conference in Minerals Engineering 2012**, 7-8 February 2012, Lulea University of Technology, Lulea city, Sweden**. (Oral presentation)**

5- First Chemistry Symposium – 2013 "Recent Advances in Chemistry", 24 April 2013, Faculty of Science – Taibah University. Kingdom of Saudi Arabia. (guest listener)

6- International Chemistry Conference (ICC), March 27-29, 2019 at Bahauddin Zakariya University, Multan, Pakistan. (oral presentation)

Teaching Experience:

1- General Chemistry 1 2- General Chemistry 2
3- General Chemistry Lab 1 4- General Chemistry Lab 2
5- Inorganic Chemistry 1 6- Inorganic Chemistry2
7- Inorganic Chemistry 3 8- Inorganic Chemistry Lab
9-Industrial inorganic chemistry
10- Special topics in inorganic chemistry
11- Descriptive chemistry of elements

Master's courses:

1- Chemical Applications of Group Theory
2- Physical Methods in Inorganic Chemistry
3- Green Chemistry
4- Applied Chemistry