

Curriculum Vitae, A. Waheed

ABDUL WAHEED, PH. D.

• Phone: 346-479-3724

• Email: moaz99@gmail.com

• Address: 9902 Ashley Lane, Houston, TX 77089

Name: Abdul Waheed

Degree: PhD

Adjunct Faculty

Science & Engineering

Phone: (409)-933-8244

Email: awaheed@com.edu

Education

ACADEMIC DEGREES

1. **Ph.D. (Organometallic Chemistry)**–University of Texas at Austin, TX, USA
2. **M.S. (Polymer Chemistry)**–Duquesne University, Pittsburgh, PA, USA
3. **M.Phil. (Analytical Chemistry)**–University of Islamabad, Pakistan
4. **M.Sc. (Analytical Chemistry)**–University of Islamabad, Pakistan
5. **B.Sc. (Chemistry/Biology)**–University of the Punjab, Lahore, Pakistan
6. **B.A. (English Literature/US History)** – University of the Punjab, Pakistan

Teaching Experience

ADJUNCT FACULTY	SAN JACINTO COLLEGE, NORTH CAMPUS, 2025
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Fall 2025 (Hybrid)

- ✓ Teaching General Chemistry I (CHEM 1311 (Lec. online) & CHEM 1111 (in person))
- ✓ Teaching General Chemistry II (CHEM 1312 (Lec. online) & CHEM 1112 (in person))

Summer 2025 (online)

- ✓ Taught General Chemistry I (CHEM 1311 (Lec. online) & CHEM 1112 (in person))

Spring 2025 (Hybrid)

- ✓ Taught General Chemistry I (CHEM 1311 (Lec. online) & CHEM 1111 (in person))
- ✓ Teaching General Chemistry II (CHEM 1312 (Lec. online) & CHEM 1112 (in person))

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ADJUNCT FACULTY

SAN JACINTO COLLEGE, NORTH CAMPUS, 2024

Spring 2024 (Hybrid)

- ✓ Teaching General Chemistry I (CHEM 1311 (Lec. online) & CHEM 1111 (Lab, face-to-face))
- ✓ Teaching General Chemistry II (CHEM 1312 (Lec. online) & CHEM 1112 (Lab, face-to-face))

Summer 2024 (online)

- ✓ Taught Organic Chemistry I (CHEM 2323 (Lec. online) & CHEM 2123 (Lab, face-to-face))
- ✓ Taught General Chemistry II (CHEM 1312 (Lec. online) & CHEM 1112 (Lab, face-to-face))

Fall 2024 (Hybrid)

- ✓ Taught Organic Chemistry I (CHEM 2323 (Lec. face-to-face) & CHEM 2123 (Lab, face to face))
- ✓ Taught General Chemistry II (CHEM 1312 (Lec. online) & CHEM 1112 (Lab, face-to-face))

ADJUNCT FACULTY

SAN JACINTO COLLEGE, NORTH CAMPUS, 2023

Spring 2023 (face to face)

- ✓ Taught Organic Chemistry II (CHEM 2325 (Lec.) & CHEM 2125 (Lab))
- ✓ Taught General Chemistry I (CHEM 1311 (Lec.) & CHEM 1111 (Lab))

Summer 2023 (Hybrid)

- ✓ Taught Organic Chemistry I (CHEM 2323 (Lec. online) & CHEM 2123 (Lab, face to face))
- ✓ Taught General Chemistry II (CHEM 1312 (Lec. online) & CHEM 1112 (Lab, face to face))

Fall 2023 (face to face)

- ✓ Taught Organic Chemistry I (CHEM 2323 (Lec.) & CHEM 2123 (Lab))
- ✓ Taught Organic Chemistry II (CHEM 2325 (Lec.) & CHEM 2125 (Lab))

ADJUNCT FACULTY

SAINT THOMAS UNIVERSITY HOUSTON, TX, SPRING 2023

/ SPRING 2022

Spring 2022 (Online)

- ✓ Taught Upper-Level Inorganic Chemistry (Lec. online)
- ✓ Taught Upper-Level Inorganic Chemistry (Lab, face-to-face)

Spring 2023 (Online)

- ✓ Taught Upper-Level Inorganic Chemistry (Lec. Online)
- ✓ Taught Upper-Level Inorganic Chemistry (Lab, face-to-face)

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ADJUNCT FACULTY

SAN JACINTO COLLEGE, NORTH CAMPUS, 2022

Spring 2022 (face to face)

- ✓ Taught General Chemistry II (CHEM 1312 (Lec.) & CHEM 1112 (Lab))
- ✓ Taught General Chemistry II (CHEM 1312 (Lec.) & CHEM 1112 (Lab))
- ✓ Taught General Chemistry II (CHEM 1312 (Lec. online) & CHEM 1112

Summer 2022 (Hybrid)

- ✓ Taught Organic Chemistry I (CHEM 2323 (Lec. online) & CHEM 2123 (Lab, face to face))
- ✓ Taught General Chemistry II (CHEM 1312 (Lec. online) & CHEM 1112 (Lab, face to face))

Fall 2022 (face to face)

- ✓ Taught Organic Chemistry I (CHEM 2323 (Lec.) & CHEM 2123 (Lab))
- ✓ Taught Organic Chemistry II (CHEM 2325 (Lec.) & CHEM 2125 (Lab))

ADJUNCT FACULTY

SAN JACINTO COLLEGE, NORTH CAMPUS, 2021

Spring 2021 (face to face)

- ✓ Taught Organic Chemistry II (CHEM 2325 (Lec.) & CHEM 2125 (Lab))
- ✓ Taught General Chemistry I (CHEM 1311 (Lec.) & CHEM 1111 (Lab))

Summer 2021 (hybrid)

- ✓ Taught Organic Chemistry I (CHEM 2323 (Lec. online) & CHEM 2123 (Lab, face to face))
- ✓ Taught General Chemistry II (CHEM 1312 (Lec.) & CHEM 1112 (Lab))

Fall 2021 (face to face)

- ✓ Taught General Chemistry I (CHEM 1311 (Lec.) & CHEM 1111 (Lab))
- ✓ Taught Organic Chemistry I (CHEM 2323 (Lec.) & CHEM 2123 (Lab))

ADJUNCT FACULTY

SAN JACINTO COLLEGE, NORTH CAMPUS, 2020

Spring 2020 (1/2 Online: 1/2 in person)

- ✓ Taught General Chemistry II (CHEM 1312 (Lec.) & CHEM 1112 (Lab))
- ✓ Taught General Chemistry I (CHEM 1311 (Lec.) & CHEM 1111 (Lab))

Summer 2020 (online)

- ✓ Taught Organic Chemistry I (CHEM 2323 (Lec.) & CHEM 2123 (Lab))
- ✓ Taught Organic Chemistry II (CHEM 2325 (Lec.) & CHEM 2125 (Lab))

Fall 2020 (online)

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- ✓ Taught Organic Chemistry I (CHEM 2323 (Lec.) & CHEM 2123 (Lab) (2 classes)
- ✓ Taught Organic Chemistry II (CHEM 2325 (Lec.) & CHEM 2125 (Lab) (2 classes)

ADJUNCT FACULTY

SAN JACINTO COLLEGE, NORTH CAMPUS, 2019

Spring 2019

- ✓ Organic Chemistry I (CHEM 2323 (Lec.) & CHEM 2123 (Lab)
- ✓ Organic Chemistry II (CHEM 2325 (Lec.) & CHEM 2125 (Lab)

Fall 2019

- ✓ Organic Chemistry I (CHEM 2323 (Lec.) & CHEM 2123 (Lab)
- ✓ General Chemistry II (CHEM 1312 (Lec.) & CHEM 1112 (Lab)

Summer 2019

- ✓ Organic Chemistry I (CHEM 2323 (Lec.) & CHEM 2123 (Lab)
- ✓ General Chemistry I (CHEM 1311 (Lec.) & CHEM 1111 (Lab)

ADJUNCT FACULTY

SAN JACINTO COLLEGE, NORTH CAMPUS, 2018

Spring 2018

- ✓ Organic Chemistry I (CHEM 2323 (Lec.) & CHEM 2123 (Lab)
- ✓ Organic Chemistry II (CHEM 2325 (Lec.) & CHEM 2125 (Lab)

Summer 2018

- ✓ Organic Chemistry II (CHEM 1312 (Lec.) & CHEM 1112 (Lab)
- ✓ General Chemistry I (CHEM 1311 (Lec.) & CHEM 1111 (Lab)

Fall 2018

- ✓ General Chemistry II (CHEM 1312 (Lec.) & CHEM 1112 Lab)
- ✓ Organic Chemistry I (CHEM 2323 (Lec.) & CHEM 2123 (Lab)

ADJUNCT FACULTY

HOUSTON COMMUNITY COLLEGE, SOUTH EAST CAMPUS, 2018

Fall 2018

- ✓ General Chemistry I (CHEM 1111 (Lab)

Summer 2018

- ✓ General Chemistry I (CHEM 1311 (Lec.) & CHEM 1111 (Lab)

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ADJUNCT FACULTY

SAN JACINTO COLLEGE, NORTH CAMPUS, 2017

Spring 2017

- ✓ Introductory Chemistry (CHEM 1305 (Lec.) & CHEM 1103 (Lab) → Central Campus
- ✓ General Chemistry II (CHEM 1312 (Lec.) & CHEM 1112 Lab)
- ✓ General Chemistry II (CHEM 1312 (Lec.) & CHEM 1112 Lab) → Central Campus

Summer 2017

- ✓ Introductory Chemistry (CHEM 1305 (Lec.) & CHEM 1103 (Lab)
- ✓ General Chemistry II (CHEM 1312 (Lec.) & CHEM 1112 Lab)

Fall 2017

- ✓ General Chemistry I (CHEM 1311 (Lec.) & CHEM 1111 (Lab) → Central Campus
- ✓ General Chemistry II (CHEM 1312 (Lec.) & CHEM 1112 Lab)
- ✓ Organic Chemistry I (CHEM 2323 (Lec.) & CHEM 2123 Lab)

ADJUNCT FACULTY

SAN JACINTO COLLEGE, NORTH CAMPUS, 2015/2016

Summer 2016

- ✓ Introductory Chemistry (CHEM 1305 (Lec.) & CHEM 1103 (Lab) → 10 weeks
- ✓ General Chemistry II (CHEM 1312 (Lec.) & CHEM 1112 Lab) → 10 weeks

Fall 2016

- ✓ General Chemistry I (CHEM 1311 (Lec.) & CHEM 1111 (Lab) → two sections

Summer 2015

- ✓ General Chemistry I (CHEM 1311 (Lec.) & CHEM 1111 (Lab) → 10 weeks
- ✓ General Chemistry II (CHEM 1312 (Lec.) & CHEM 1112 Lab) → 10 weeks

ADJUNCT FACULTY

SAN JACINTO COLLEGE, NORTH CAMPUS, FALL 2008

Fall 2008

- ✓ Introductory Chemistry (CHEM 1305 (Lec.) & CHEM 1103 (Lab)

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Significant Publications

PUBLICATION LIST

Book Chapter

1. Jones R. A.; Yang, X-P.; **Waheed, A.**; Wiester, M.; Zhang, L. "New Complexes of Lanthanides with Unusual Main Group Ligands", *ACS Symposium Series No. 917*, Modern Aspects of Main Group Chemistry, **2005**, 917, 221-236.

Journals Papers

1. **Waheed, A.**; Jones, R. A.; Yang, X-P.; Moore, J.; Ekerdt, J. G. "Synthesis and Structures of Dinuclear 3, 5-Bis(trifluoromethyl)pyrazolate Complexes of Ruthenium", *Organomet.*, **2007**, 26, 6778-6783.
2. Drevland, R. M.; **Waheed, A.**; Graham, D. E. "Enzymology and Evolution of the Pyruvate Pathway to 2-Oxobutyrates in *Methanocaldococcus jannaschii*", *J. Bacteriol.* **2007**, 129 (12), 4391-4400.
3. Shin, J.; **Waheed, A.**; Winkenwerder, W.; Kim, H-W.; Agapiou, K.; Jones, R. A.; Hwang, G.; Ekerdt, J. G. "Amorphous Ruthenium-Phosphorus Alloy Films", *Thin Solid Films*, **2007**, 515(13), 5298-5307.
4. Shin, J.; **Waheed, A.**; Agapiou, K.; Winkenwerder, W. A.; Kim, H-W.; Jones, R. A.; Hwang, G. S.; Ekerdt, J. G. Growth of Ultrathin Films of Amorphous Ruthenium-Phosphorus Alloys Using a Single Source CVD Precursor, *J. Am. Chem. Soc.* **2006**, 128(51), 16510-16511.
5. Yang, X-P.; Jones, R. A.; Lai, R. A.; **Waheed, A.**; Oye, M. M.; Holmes, A. L. "Supramolecular Assembly of Nanometer-sized Heterobimetallic 3d-4f Complexes Formed with Benzimidazole Based N, O-donor Ligands", *Polyhedron*, **2006**, 25, 881-887.
6. Zhang, L.; Jones, R. A.; **Waheed, A.**; Lynch, V. M. "Synthesis and Crystal Structure of $(\eta^5\text{-C}_5\text{H}_5)_2\text{Ti}(\text{NH}(2,4\text{-(CCSiMe}_3)_2\text{C}_6\text{H}_3))_2$ ", *J. Chem. Crystal.*, **2005**, 35 (9), 673-677.
7. Jones, R. A.; Yang, X-P.; **Waheed, A.**; Wiester, M.; Zhang, L. "New Complexes of Lanthanides with Unusual Main Group Ligands", *ACS Symposium Series No. 917*, **2005**, Modern Aspects of Main Group Chemistry, 221-236.
8. **Waheed, A.**; Jones, R. A.; Yang, X-P.; McCarty, J. "Synthesis and Structure of a Pyrazine Stabilized Zn_7 Supramolecular Architecture", *J. Chem. Soc., Dalton Trans.*, **2004**, 3840-

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3841.

9. Fettouhi, M.; **Waheed, A.**; Golhen, S.; Helou, N.; Ouahab, L.; Molinie, P. "BEDT-TTF radical cation salts with paramagnetic anion $[\text{Fe}^{\text{III}}(\text{mnt})_2]$ ", *Synthetic Metals*, **1999**, *102*, 1764-1765.
10. Fettouhi, M.; Morsy, M.; **Waheed, A.**; Golhen, S.; Ouahab, L.; Sutter, J.P.; Kahn, O.; Menezdez, N.; Varret, F. "Spin-Crossover in the Complex Bis(cis-1,2-dicynao-1,2-ethylenedithiolato)-[2-(*p*-pyridyl)-4,4,5,5-tetramethyl-imidazolinium]-iron(III)", *Inorg. Chem.* **1999**, *38*, 4910-4912.
11. Fettouhi, M. Khalid, M.; **Waheed, A.**; Golhen, S.; Ouahab, L.; Sutter, J.P.; Kahn, O. "Manganese (II) Coordination Complexes Involving Nitronyl Nitroxide Radicals", *Inorg. Chem.* **1999**, *38*, 3967-3971.