

Curriculum Vitae

Dr. Zohaib Saeed

Assistant Professor,

Department of Chemistry,

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Abstract

About 15 years of teaching and research experience in Chemistry, phytoanalytics, green synthesis, solid waste management, stress response to the plants, phytotoxicity evaluation. Highest level of training in modern analytical instrumentation like atomic absorption spectroscopy, HPLC, Mass spectrometry. Special interest in the research and development of nutraceuticals. A good spirit for learning and a great capacity for integration.

Profile

Name Dr. Zohaib Saeed

Father's Name Mian M. Saeed

Date of Birth 28 February 1986

Nationality Pakistan

Google Scholar Profile

https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=zohaib+saeed&btnG=

Address 29-C Mayo Gardens, Allama Iqbal Road, Lahore. Pakistan

Education

2013-2018 Ph.D. in Analytical Chemistry, Department of Chemistry, University of Sargodha, Sargodha, Pakistan

Topic: "Effect of Soil Amendment with Sewage Sludge on Nutritional and Antioxidant Properties of the selected Crops".

2009-2011 M.Phil. (Analytical Chemistry) at the Department of Chemistry, University of Sargodha, Sargodha, Pakistan.

2006 – 2008 M.Sc. (Chemistry) at the Institute of Chemistry, University of the Punjab, Lahore, Pakistan.

Professional Experience

May 2019 – Present Assistant Professor, Department of Chemistry, GC University, Lahore, Pakistan

Nov 2014 – May 2019 Lecturer, Department of Chemistry, GC University, Lahore, Pakistan

Mar 2012 - Nov 2014 Lecturer, Department of Chemistry, University of Sargodha, Sargodha, Pakistan

May 2009 - Mar 2012 Research Associate, Department of Chemistry, University of Sargodha, Sargodha, Pakistan.

Special Skills

- HPLC
- GC – MS
- AAS
- UV-DAD

Awards

Training on ‘Education management for Pakistan’ held in China in August 2017 to September 2017

Publications (*Major*) (Current published **impact factor 150.24**, in pipeline -12)

1- Growth and antioxidant response of *Brassica rapa* var. *rapa* L. (turnip) irrigated with different compositions of paper and board mill (PBM) effluent

Shahid Iqbal, Umer Younas, Kim Wei Chan, **Zohaib Saeed**, Muhammad Ashraf Shaheen, Naeem Akhtar, Abdul Majeed. *Chemosphere* 91 (2013) 1196–1202(I.F: 7.086)

2- Changes in thyroid function status of suicidal patients

Shazia Khurshid, Muhammad Pervaiz, Sareen Akhtar, Shan Elahi, Asma Zaidi, **Zohaib Saeed**, Syed Majid Bukhari. *Arch Clin Psychiatry*. 2018;45(1):12-4 (I.F: 0.78)

3- Synthesis, spectral and antimicrobial studies of amino acid derivative Schiff base metal (Co, Mn, Cu, and Cd) complexes

Muhammad Pervaiz, Ikram Ahmad b, Muhammad Yousaf, Shamaila Kirn, Asima Munawar, **Zohaib Saeed**, Ahmad Adnan, Tahsin Gulzar, Tahseen Kamal, Awais Ahmad, Ayoub Rashid. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 206 (2019) 642–649 (I.F: 4.098)

- 4- **Optimization of sewage sludge mixing with soil to attain promising neutraceuticals attributes in the *Lagenaria siceraria* L. (Kaddu) Plant**
Zohaib Saeed, Shahid Iqbal, Umer Younas, Muhammad Pervaiz, Syed Mohsin Ali Naqvi, Rana Rashad Mahmood Khan. BIOLOGIA (PAKISTAN) 2018, 64 (II), 233-239 (I.F: 0)
- 5- **Variation in antioxidant potential of *Vigna unguiculata* grown in pure and amended soil**
Zohaib Saeed, Shahid Iqbal, Umer Younas, Muhammad Pervaiz, Syed M. Bukhari, Asma Zaidi. Kuwait J. Sci. 47 (3) pp. 2-14, 2020 (I.F: 1.07)
- 6- **Synthesis and characterization of sulfonamide metal complexes as antimicrobial agents**
Muhammad Pervaiz, Aqsa Riaz, Anfal Munir, Zohaib Saeed, Shah Hussain, Ayoub Rashid, Umar Younas, Ahmad Adnan. Journal of Molecular Structure 1202 (2020) 127284 (I.F: 3.196)
- 7- **Heavy Metal Enrichment of Soil Irrigated with Paper and Board Mill (PBM) Effluents**
Umer Younas, Shahid Iqbal, Zohaib Saeed, Saba Ibrahim, Shazia Khurshid, Muhammad Pervaiz, Asif Saleem, Asma Zaidi, Munawar Iqbal, Arif Nazir. Pol. J. Environ. Stud. Vol. 29, No. 6 (2020), 4463-4468 (I.F: 1.77)
- 8- **Evaluating the Effect of Sewage Sludge on Bioactive Components of *Momordica charantia***
Zohaib Saeed, Ikram Ahmad, Shahid Iqbal, Umer Younas, Muhammad Pervaiz, Rana Rashad Mahmood Khan, Shahzad Sharif, Abdullah M. Asiri, Sher Bahadar Khan and Tahseen Kamal. J.Chem.Soc.Pak., Vol. 43, No. 04, 2021 (I.F: 0.51)
- 9- **An Eco-Friendly Approach for the Extraction of Antioxidant Components from *Artemisia Annua* Leaves Using Response Surface Methodology**
Umer Younas, Shahid Iqbal, Rashida Bashir, Noreen Sajjad, Zohaib Saeed, Muhammad Pervaiz, Faiza Hassan, Faisal Ali, Saba Ibrahim, Fozia Batool, Ishtiaq Hussain, Munawar Iqbal. Pol. J. Environ. Stud. Vol. 30, No. 5 (2021), 4827-4833 (I.F: 1.77)
- 10- **Antioxidant and Organic Dye Removal Potential of Cu-Ni Bimetallic Nanoparticles Synthesized Using *Gazania rigens* Extract**
Umer Younas, Afzaal Gulzar, Faisal Ali, Muhammad Pervaiz, Zahid Ali, Safia Khan, Zohaib Saeed, Mukhtiar Ahmed and Asma A. Alothman. Water 2021, 13, 2653 (I.F: 3.103)
- 11- **A Green Approach for Extraction of Ammonium Molybdate from Molybdenite Using Indigenous Resources**
Muhammad Pervaiz, Asima Munawar, Shabbir Hussain, Zohaib Saeed, Shahid Hussain, Umer Younas, Faisal Ali, Asma Zaidi, Syed Majid Bukhari, Munawar Iqbal, Ayoub Rashid, Ahmad Adnan, Arif Nazir. Pol. J. Environ. Stud. Vol. 30, No. 2 (2021), 1771-1775 (I.F: 1.77)
- 12- **Radical Scavenging and Catalytic Activity of Fe-Cu Bimetallic Nanoparticles Synthesized from *Ixora finlaysoniana* Extract**
Umer Younas, Syed Taimoor Hassan, Faisal Ali, Faiza Hassan, Zohaib Saeed, Muhammad Pervaiz, Shahid Iqbal, Ayman A. Ghfar, Mohamed Ouladsmene, Murefah Mana AL-Anazy and Shafaqat Ali. Coatings 2021, 11, 813 (I.F: 2.86)

13- Enhanced visible light photocatalytic activity of TiO₂ co-doped with Fe, Co, and S for degradation of Congo red

Muhammad Imran, **Zohaib Saeed**, Muhammad Pervaiz, Kashif Mehmood, Rabia Ejaz, Umer Younas, Hafiz Amir Nadeem, Shah Hussain. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 255 (2021) 119644 (I.F: 4.098)

14- Amalgamation and Scrutinizing of Leucine Derivatives Schiff Bases Complexes as Antimicrobial Agent

Muhammad Pervaiz, Ikram Ahmad, **Zohaib Saeed**, Muhammad Sagir, Umer Younas, Muhammad Bilal Tahir, Awais Ahmad, Ayoub Rashid, Quratulain Syed, Ahmad Adnan. *Combinatorial Chemistry & High Throughput Screening*
DOI: [10.2174/1386207325666210927092623](https://doi.org/10.2174/1386207325666210927092623) (I.F: 1.205)

15- Azo-Schiff base derivatives of transition metal complexes as antimicrobial agents

Muhammad Pervaiz, Sahar Sadiq, Amber Sadiq, Umer Younas, Adnan Ashraf, **Zohaib Saeed**, Muhammad Zuber, Ahmad Adnan, *Coordination Chemistry Reviews* 447 (2021) 214128 (I.F: 22.315)

16- Optimization of ecofriendly synthesis of Ag nanoparticles by *Linum usitatissimum* hydrogel using response surface methodology and its biological applications

Muhammad Imran, Shah Hussain, Kashif Mehmood, **Zohaib Saeed**, Muhammad Parvaiz, Umer Younas, Hafiz Amir Nadeem, Semab Phool Ghalani, Seerat Saleem.
Materials Today Communications 29 (2021) 102789 (I.F: 3.383)

17- Design and synthesis of Schiff base Homobimetallic-Complexes as promising antimicrobial agents

Muhammad Pervaiz, Amber Sadiq, Sahar Sadiq, **Zohaib Saeed**, Muhammad Imran, Umer Younas, Syed Majid Bukhari, Rana Rashad Mahmood Khan, Ayoub Rashid, Ahmad Adnan. *Inorganic Chemistry Communications* 137 (2022) 109206 (I.F: 2.495)

18- *Berberis aristata* reduces vancomycin-induced nephrotoxicity by down-regulation of cell proliferation markers

Naila Malkani, Muhammad Imran Sohail, Farah Ijaz, Ammara Naeem, Sidra Mumtaz, **Zohaib Saeed**. *Journal of Herbal Medicine* 31 (2022) 100540 (I.F: 3.032)

19- Comparative Influence of Biochar and Doped Biochar with Si-NPs on the Growth and Anti-Oxidant Potential of *Brassica rapa* L. under Cd Toxicity

Muhammad Numan Rafi, Muhammad Imran, Hafiz Amir Nadeem, Anees Abbas, Muhammad Pervaiz, Waqas-us-din Khan, Sami Ullah, Shah Hussain, **Zohaib Saeed**. *Silicone* (2022) <https://doi.org/10.1007/s12633-022-01878-2> (I.F: 2.941)

- 20- Amalgamation, scrutinizing, and biological evaluation of the antimicrobial aptitude of thiosemicarbazide Schiff bases derivatives metal complexes**
 Muhammad Pervaiz, Anfal Munir, Aqsa Riaz, **Zohaib Saeed**, Umer Younas, Muhammad Imran, Sami Ullah, Rashida Bashir, Ayoub Rashid, Ahmad Adnan
 Inorganic Chemistry Communications 141 (2022) 10945 (I.F:3.428)
- 21- Antioxidant and cytotoxic activities of different solvent fractions from *Murraya koenigii* shoots: HPLC quantification and molecular docking of identified phenolics with anti-apoptotic proteins**
 Asif Saleem, Umer Younas, Syed Majid Bukhari, Asma Zaidi, Sara Khan, **Zohaib Saeed**, Muhammad Pervaiz, Ghulam Muhammad, Sumaira Shaheen
 Bulletin of the Chemical Society of Ethiopia 36 (3), (2022) 651-666 (I.F: 1.452)
- 22- Evaluation of essential oil extracted from ginger, cinnamon and lemon for therapeutic and biological activities**
 Nazia Rasool, **Zohaib Saeed**, Muhammad Pervaiz, Faisal Ali, Umer Younas, Rashida Bashir, Syed Majid Bukhari, Seemal Jelani, Rizwan Sikandar
 Biocatalysis and Agricultural Biotechnology 44 (2022) 102470 (I.F: 4.26)
- 23- Investigation on the role of graphene-based composites for in photocatalytic degradation of phenol-based compounds in wastewater: a review**
 Shumila Shaheen, Rana Rashad Mahmood Khan, Awais Ahmad, Rafael Luque, Muhammad Pervaiz, **Zohaib Saeed**, Ahmad Adnan
 Environmental Science and Pollution Research (2022) 29:73718–73740 (I.F: 5.190)
- 24- Synthesis and biological evaluation of 4-dimethylaminobenzaldehyde derivatives of Schiff bases metal complexes: A Review**
 Aemin Ali, Muhammad Pervaiz, **Zohaib Saeed**, Umer Younas, Rashida Bashir, Syed Majid Bukhari, Faisal Ali, Seemal Jelani, Ayoub Rashid, Ahmad Adnan
 Inorganic Chemistry Communications 145 (2022) 109903 (I.F: 3.428)
- 25- Effect of slow-release amylase on extraction of peach peel phenolics and their antioxidant activities**
 S Akram, T Ashfaq, **Z Saeed**, R Ashraf, M Mushtaq
 Acta Alimentaria (2022) <https://doi.org/10.1556/066.2022.00110> (I.F: 0.65)
- 26- Green synthesis of graphene-based metal nanocomposite for electro and photocatalytic activity; recent advancement and future prospective**
 Shumila Shaheen, **Zohaib Saeed**, Awais Ahmad, Muhammad Pervaiz, Umer Younas, Rana Rashad Mahmood Khan, Rafael Luque, Saravanan Rajendran
 Chemosphere 311 (2023) 136982 (I.F: 8.943)

27- Biological and Photocatalytic Degradation of Congo Red, a Diazo Sulfonated Substituted Dye: a Review

Rana Rashad Mahmood Khan, Hoorish Qamar, Ayesha Hameed, Muhammad Pervaiz, **Zohaib Saeed**, Aqib Adnan, Ayoub Rashid Ch

Water Air Soil Pollut (2022) 233:468 (I.F: 2.984)

28- EVALUATION OF BIOLOGICAL ACTIVITY AND PHARMACOLOGICAL ATTRIBUTES OF PARIPLOCA APHYLLA: POTENTIAL SOURCE OF FUNCTIONAL FOOD AND NUTRACEUTICALS

Umer YOUNAS, Shahid IQBAL, Asif SALEEM, Roeya RAHMAN, Arif NAZIR, Faiza HASSAN, Arfaa SAJID, **Zohaib SAEED**, Munawar IQBAL, Naveed AHMAD

Rev. Roum. Chim (2023) 68 (7-8) 391-400 (I.F: 0.27)

29- A sustainable approach for the multi-dimensional exploitation of mixed biochar based nano-composites

Awais Ahmad, Mushkbar Zahra, Fakhar e Alam, Shafaqat Ali, Muhammad Pervaiz, **Zohaib Saeed***, Umer Younas, Muhammad Mushtaq, Saravanan Rajendran, Rafael Luque

Fuel (2023) 336 126930 (I.F: 8.3)

30- Synthesis, characterization and kinetics of polymeric stabilized nanoparticles for Eosin Y degradation: a review

Faisal Ali, Maryam Ameen, Umer Younas, Muhammad Pervaiz, **Zohaib Saeed**, Adnan Ashraf, Faiza Hassan, Qaisar Manzoor, Shahid Iqbal, Munawar Iqbal

Zeitschrift für Physikalische Chemie (2023) 237 (4-5) 365-393 (I.F: 2.5)

31- Recent developments in metal/metalloid nanomaterials for battery applications; a comparative review

Awais Ahmad, Shumila Shaheen, Saadat Majeed, Muhammad Pervaiz, **Zohaib Saeed***, Umer Younas, Muhammad Sufyan Javed, Rafael Luque, Lalitha Gnanasekaran

Fuel (2023) 340 127399 (I.F: 8.3)

32- Reducing and Caping Agent Potential of Sun-Mediated Aqueous extract of *Thymus Linearis* for Green Synthesis of Silver Nanoparticles and their Effect on ... Phytopathogenic Bacteria

Liaqat Ali, Muhammad Imran, Kashif Mehmood, Hafiz Amir Nadeem, Muhammad Parvaiz, Umer Younas, Shah Hussain, **Zohaib Saeed***

Nano (2023) 18 05 2350037 (I.F: 0.6)

33- Schiff base metal complexes as anti-inflammatory agents

Qurat-UI-Ain Sandhu, Muhammad Pervaiz, Abdul Majid, Umer Younas, **Zohaib Saeed**,
Adnan Ashraf, Rana Rashad Mahmood Khan, Sami Ullah, Faisal Ali, Seemal Jelani
Journal of Coordination Chemistry (2023) 76 (9-10) 1094-1118 (I.F: 1.9)

34- Hydrothermal synthesis of V₂O₅/TiO₂ decorated graphitic carbon nitride nanocomposite for biomolecule oxidation inhibition and dye degradation applications

Muhammad Waseem, Awais Ahmad, Muhammad Sagir, Umer Younas, **Zohaib Saeed**,
Muhammad Pervaiz, Faisal Ali, Ahmed Muteb Aljuwayid, Mohamed A Habila, Rama
Rao Karri
Environmental Research (2023) 116440 (I.F: 8.3)

35- GO-Ag-NPs as a promising agent for biomedical, catalytic, electrochemical detection and water treatment technologies; a comprehensive review

Hafiz Amir Nadeem, Muhammad Imran, Seerat Saleem, Zahra Rafiq, Ammarah Batool,
Kashif Mehmood, Muhammad Pervaiz, Shah Hussain, **Zohaib Saeed***, Umer Younas
Zeitschrift für Physikalische Chemie (2023) 237 (8) 1013-1076 (I.F: 2.5)

36- Garlic and ginger extracts mediated green synthesis of silver and gold nanoparticles: A review on recent advancements and prospective applications'

Zohaib Saeed*, Muhammad Pervaiz, Anam Ejaz, Shah Hussain, Shumila Shaheen,
Behram Shehzad, Umer Younas
Biocatalysis and Agricultural Biotechnology (2023) 102868 (I.F: 4.0)

37- A comprehensive study of the sources, extraction methods and structures of the Saponin compounds for its antidiabetic activity

Muhammad Umair Afzal, Muhammad Pervaiz, Anam Ejaz, Eisha Bajwa, Sadaf Naz,
Zohaib Saeed, Sami Ullah, Syeda Shaista Gillani, Rana Rashad Mehmood Kan, Umer
Younas
Biocatalysis and Agricultural Biotechnology (2023)102913 (I.F: 4.0)