

Curriculum vitae

Zahra Akbari

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Personal Information

Name / Surname **Zahra Akbari**
Date / Place of Birth [REDACTED]
Language Skills Persian; English
ORCID 0000-0002-5607-5429

Contact

[REDACTED]
[REDACTED]
Email: [REDACTED]
[REDACTED]
Tel. [REDACTED]

Educational Background

- 2022 **Researcher at University of Messina, Italy, Supervisor by prof. Daniela Iannazzo and Prof. Giovanni Neri (1 January - 31 December 2022)**
- 2020 **Visiting Researcher at University of Messina, Italy, Supervisor by Prof. Giuseppe Bruno and Prof. Giovanni Neri (1 February- 31 December,2020)**
- 2016-2021 **Ph.D. Yasouj University, Iran, Inorganic Chemistry, Supervisor by Prof. Morteza Montazerzohori and Prof. s. jafar. Hoseini**
Thesis: Synthesis and characterization of some nanostructured coordination compounds with a new Schiff base and investigation of their biological properties and palladium nanoscale thin film at liquid-liquid interface
- 2013-2015 **MSc. Shahid Bahonar University of Kerman, Iran. Inorganic Chemistry, Supervisor by Dr. Zohreh Rashidi Ranjbar.**

Thesis: Synthesis and characterization of new Co-crystals and nano-structures of Cu(II) and Ag(I) coordination polymers with 3-bpdh as bipyridyl ligand; metal oxides preparation in nano scale and anti bacterial study of these nano-structures

2009 -2013

BSc. Islamic Azad University Shiraz, Iran, Applied Chemistry.

Webpages

scholar.google.com/citations?user=HwbJb4wAAAAJ&hl=en
researchgate.net/profile/Zahra-Akbari-9/research

<https://www.linkedin.com/in/zahra-akbari-650a5aa9/>

Teaching Experiences

- 2017-2019 **General Chemistry (I), Yasouj University, Yasuj, Iran**
- 2017-2019 **General Chemistry Laboratory (I), (II), Yasouj University, Yasuj, Iran**
- 2018-2019 **Inorganic Chemistry Laboratory, Yasuj, Iran**
- 2014-1015 **Inorganic Chemistry Laboratory, Shahid Bahonar University of Kerman, Iran**
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Academic References

Morteza Montazerzohori, Professor Yasouj University, Iran. mmzohori@yu.ac.ir

S. jafar Hoseini, Professor Shiraz University, Iran. sj.hoseini@shirazu.ac.ir

Published Papers

[1] **Zahra Akbari**, Zohreh. Rashidi Ranjbar, S. Yousef. Ebrahimipour, Hadi Amiri Rudbari Lotfi, Safa (2019), Self-assembly synthesis of two new cocrystals of 1,5 bis(3-pyridyl)-3,4-diaza-2,4-hexadiene: an experimental and theoretical study. vol. 18, no. 2, pp. 89-100, 2019. <https://doi.org/10.3233/MGC-180688>

[2] M. Tavassoli, M. Montazerzohori, A. Masoudiasl, **Z. Akbari**, Th. Doert, E.M. Vazquez Lopez, S.J. Fatemi (2020), Synthesis, spectral analysis, crystal structure, Hirshfeld surface analyses, thermal behavior of two new nickel complexes and usage as precursor for preparation of Ni/NiO nanoparticles. Vol. 176, 2020. <https://doi.org/10.1016/j.poly.2019.114287>

- [3] **Zahra Akbari**, Zohreh. Rashidi Ranjbar, Mouj. Khaleghi, Synthesis, characterization, and antibacterial activities of Ag₂O nanoparticle and silver (I) nano-rod complex, <http://dx.doi.org/10.22036/ncr.2020.02.013>
- [4] **Zahra Akbari**, S.Jafar Hoseini, Morteza montazerzohori, Palladium/ melamine-based porous network thin film at oil/water interface as effective catalyst for reduction of p-nitrophenol to p-aminophenol and dye degradation, December 2021, journal of microporous and mesoporous materials, <http://dx.doi.org/10.1016/j.micromeso.2021.111612>
- [5] **Zahra Akbari**, Morteza montazerzohori, Synthesis, crystal structure, Hirshfeld surface analyses, antimicrobial activity, and thermal behavior of some novel nanostructure hexa-coordinated Cd(II) complexes: Precursors for CdO nanostructure, May 2021, journal of applied organometallic chemistry, <http://dx.doi.org/10.1002/aoc.6181>
- [6] **Zahra Akbari**, Morteza montazerzohori, Giuseppe Bruno, Ultrasonic assisted preparation of some new zinc complexes of a new tetradentate Schiff base ligand: thermal analyses data, antimicrobial and DNA cleavage potential, January 2021, journal of physical organic chemistry, <http://dx.doi.org/10.1002/poc.4180>
- [7] **Zahra Akbari**, Morteza Montazerzohori, Giuseppe Bruno, Giovanni Neri, Development of a novel electrochemical nitrite sensor based on Zn-Schiff base complexes, February 2022, journal of applied organometallic chemistry, <http://dx.doi.org/10.3390/s22030900>
- [8] Viviana Bressi, **Zahra Akbari**, Morteza Montazerzohori, , Giovanni Neri, On the Electroanalytical Detection of Zn Ions by a Novel Schiff Base Ligand-SPCE Sensor, January 2022, journal of sensors, <http://dx.doi.org/10.1002/aoc.6610>
- [9] Antonio Santoro, Giovanni Bella, Giuseppe Bruno, Giulia Neri, **Zahra Akbari**, Francesco Nicolò, Cocrystal versus salt, a matter of hydrogen bonds in two benzoic acid crystals, December 2020, journal of molecular structure, <http://dx.doi.org/10.1016/j.molstruc.2020.129801>
- [10] **Zahra Akbari**, Morteza Montazerzohori, Asghar Naghiha, Some new antimicrobial/antioxidant nanostructure zinc complexes: Synthesis, crystal structure, Hirshfeld surface analyses and thermal behavior, November 2022, journal of Results in, <https://doi.org/10.1016/j.rechem.2022.100636>
- [11] **Zahra Akbari**, Morteza Montazerzohori, Shiva Johari, Mono and binuclear cadmium complexes: X-ray crystal structures, Hirshfeld surface analysis and antimicrobial/antioxidant studies, October 2023, journal of Inorganic Chemistry Communications, <https://doi.org/10.1016/j.inoche.2023.111513>

Conference Publications

- [1] 20th Iranian Inorganic chemistry conference, university of sistan and baluchestan, 9-11- March, 2019. Sonication-assisted synthesis of some new mercury complexes with a tetradentate Schiff base ligand: Antimicrobial and thermal behaviors. **Zahra Akbari**, Morteza Montazerzohory, Reza Naghiha.

[2] 5th National conference on new researches in chemistry and chemical engineering-Tehran-2019. Synthesis, spectral and theoretical Studies of some new complexes of mercury with a new asymmetric bidentate Schiff base ligand. **Zahra Akbari**, Morteza Montazerzohori, M. Razzaghi.

[3] 20th Iranian Inorganic chemistry conference, university of sistan and baluchestan, 9-11- March, 2019. Sonochemical synthesis and characterization of some new four coordinated cadmium complexes: New precursors for nanostructure metal oxides, antimicrobial, and DNA cleavage potential. **Zahra Akbari**, Morteza Montazerzohori, Fatemeh Keshtkar.

[4] 20th Iranian Inorganic chemistry conference, university of sistan and baluchestan, 9-11- March, 2019. Some new nanostructure cadmium imidazolidine Schiff base complexes: Thermal behavior, antimicrobial, and DNA cleavage potential. **Zahra Akbari**, Morteza Montazerzohori, Zahra Shirazi.

[5] 11th international workshop on Surface Modification for Chemical and Biochemical Sensing SMCBS 2023, from 3-7 November 2023, in Lochow, Poland. **Oral presentation, Zahra Akbari**, AuNP-Enhanced Schiff Base Nanocomposites for Lead (II) Ion Sensing in Seawater.

[6] 2th European Congress on "Chemistry and Applied Science", 9-10 November, 2023 at Paris, France, **Oral presentation, Zahra Akbari**, Determination of lead ions (Pb^{2+}) on Schiff base Ligand L-based SPCE electrode in seawater.