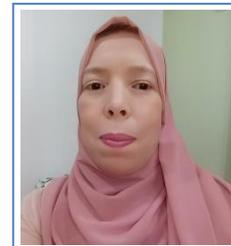


## Curriculum Vitae



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### Education

- **Ph.D.'s degree** in Material Sciences
- **Magister's degree** in Spectroscopic Chemistry
- **Engineer's degree** in Analytical Chemistry

### Functions and Affiliations

- Teacher-researcher of chemistry, University of Oum El Bouaghi.
- Member of the scientific committee of the Material Sciences department.

### Teaching modules

- Analytical Chemistry
- Material Chemistry

### International publications

- M. Hadjam, R. Bouchene, A. Zaboub, W. Mazouz, S. Malki, A. Bouchemma, Synthesis, characterization, Hirshfeld surface analysis, DFT calculations and antibacterial activity evaluation of a new unsymmetrically substituted 1,3,5-triazacyclohexane, J. Mol. Struc., (2022), 1249, 131554 DOI: [10.1016/j.molstruc.2021.131554](https://doi.org/10.1016/j.molstruc.2021.131554).
- O. Chebout, R. Bouchene, S. Bouacida, M. Boudraa, W. Mazouz, M. Merzougui, K. Ouari, C. Boudaren, H. Merazig, Two copper(II) coordination complexes based on sulfanilamide ligand: Synthesis, structure, thermal analyzes, electrochemical properties and biological activities, J. Mol. Struc., (2022), 1247, 131346. DOI: [10.1016/j.molstruc.2021.131346](https://doi.org/10.1016/j.molstruc.2021.131346)
- Habila; R. Bouchene; C. Trifa; F. Berrah; M. Saoudi; B. Benmerad; M. Boudraa; H. Merazig; S. Bouacida, Synthesis, structure characterization, spectral properties, DFT calculations, hirshfeld surface analysis, thermal stability and bioactivity of a new sulfamethoxazole zinc(II) complex, J. Mol. Struc., (2022), 1261, 132962. DOI: [10.1016/j.molstruc.2022.132962](https://doi.org/10.1016/j.molstruc.2022.132962)
- N.E.H. Guerah; K. Zerrouki; O. Benslama; J-C. Daran; S. Bouacida; R. Bouchene, New polymorph for Cd(II) chloro-bridged coordination polymer based on 3-aminopyrazin-2-carboxylic acid: Synthesis, structural characterization, Hirshfeld surface analysis, thermal properties and molecular docking study on the antifungal activity, J. Mol. Struc., (2022), 1258, 132681. DOI: [10.1016/j.molstruc.2022.132681](https://doi.org/10.1016/j.molstruc.2022.132681).

- A. Chachoua; R. Bouchene; F. Berrah; K. Bouchouit; S. Bouacida, Tetra(4-methoxyanilinium) hexachlorostannate (IV), dichloride: Synthesis, crystal structure, hirshfeld surface analysis, DFT calculations, thermal properties and third-harmonic generation measurement of nonlinear optical susceptibility, *J. Mol. Struc.*, (2021),1231, 129935. DOI: [10.1016/j.molstruc.2021.129935](https://doi.org/10.1016/j.molstruc.2021.129935).
- A. Khadri, R. Bouchene, S Bouacida, A. Sid; I. A. Alswaidan; P. Ramasami, Synthesis, structural, thermal, Hirshfeld surface and DFT studies on a new hybrid compound: bis[4-(dimethylamino)pyridinium] tetrachloridomanganate(II), *J. Coord. Chem.* (2020), 73(4), 609-621. DOI: [10.1080/00958972.2020.1738408](https://doi.org/10.1080/00958972.2020.1738408).
- Y. Lin, Y. Ching Ong, S. Keller, J. Karges, R. Bouchene, E. Manoury, O. Blacque, J. Müller, N. Anghel, A. Hemphill, C. Häberli, A. C. Taki, R.B. Gasser, K. Cariou, J. Keiser and G. Gasser, Synthesis, Characterization and Antiparasitic Activity of Organometallic Derivatives of the Anthelmintic Drug Albendazole, *Dalton Trans.*, 2020, 49, 6616-6626 DOI: <https://doi.org/10.1039/D0DT011007J>
- R. Bouchene, S. Bouacida, Syntheses, supramolecular networks and Hirshfeld surface and thermal analyses of two new cadmium chloride coordination polymers with an N,O chelating ligand, *Acta Cryst. Structural Chemistry* (2019) C75, pp. 120-127. DOI: [10.1107/S2053229618018132](https://doi.org/10.1107/S2053229618018132)
- S. Bouacida, R. Bouchene, F. Berrah, Synthesis, crystal structure, hirshfeld surface analysis, DFT calculations and thermal properties of a new anilinium derivative chlorostannate(IV) hybrid compound, *J. Mol. Struc.*, (2019), 1198, 126900. DOI: [10.1016/j.molstruc.2019.126900](https://doi.org/10.1016/j.molstruc.2019.126900).
- F. Mahdi, A. Sid, R. Bouchene, P. Mosset, T. Roisnel, (E,E)-3-Methyl-2,5-bis(4-methylbenzylidene)cyclopentanone: synthesis, characterization, Hirshfeld surface analysis and antibacterial activity, *Acta Cryst.* (2019). E75, 506-511. DOI: [10.1107/S2056989019003827](https://doi.org/10.1107/S2056989019003827)
- R. Bouchene, Z. Lecheheb, R. Belhouas, S. Bouacida. Synthesis, X-ray diffraction and Hirshfeld surface analysis of two new hybrid dihydrate compounds: (C<sub>6</sub>H<sub>22</sub>N<sub>4</sub>)[SnCl<sub>6</sub>]Cl<sub>2</sub>·2H<sub>2</sub>O and (C<sub>8</sub>H<sub>24</sub>N<sub>4</sub>)[SnCl<sub>6</sub>]Cl<sub>2</sub>·2H<sub>2</sub>O, *Acta Cryst.* (2018). E74, 206–211. DOI: [10.1107/S2056989018001044](https://doi.org/10.1107/S2056989018001044)
- R. Bouchene, J.-C. Daran, R. Poli, E. Deydier, S. Bouacida, E. Manoury. Straightforward synthesis of ferrocenyl allylic thioethers, *Inorganica Chimica Acta* 470 (2018) 365–372. DOI: [10.1016/j.ica.2017.06.039](https://doi.org/10.1016/j.ica.2017.06.039)
- O. Demmene Debbih, A. Sid, R. Bouchene, S. Bouacida, W. Mazouz, N. Gherraf. Two hydrazones derived from 1-aryl-3-(p-substituted phenyl)prop-2-en-1-one: synthesis, crystal structure, Hirshfeld surface analysis and in vitro biological properties, *Acta Cryst. Structural Chemistry* (2018) C74, pp. 703-714. DOI: [10.1107/S2053229618006812](https://doi.org/10.1107/S2053229618006812).
- R. Bouchene, J.-C. Daran, H. Merazig, E. Manoury, S., Bouacida. Selective synthesis of (3-ferrocenylprop-2-en-1-yl)triphenylphosphonium iodide: crystal structure determination of two polymorphs, *Acta Cryst.* (2017). C73, 376–381. DOI: [10.1107/S2053229617004867](https://doi.org/10.1107/S2053229617004867)
- R. Bouchene, J.-C. Daran, S. Bouacida, E. Manoury. Synthesis and Reactivity of Ferrocenyl-Substituted Allylamine Derivatives, *Eur. J. Inorg. Chem.* (2017), 340-350. DOI: [10.1002/ejic.201600860](https://doi.org/10.1002/ejic.201600860)
- N. Benhamada, R. Bouchene, S. Bouacida, B. Zouchoune, *Polyhedron*. 2015, 91(8), 59-67. DOI: [10.1016/j.poly.2014.12.042](https://doi.org/10.1016/j.poly.2014.12.042)
- R. Bouchene, S. Bouacida, F. Berrah and T. Roisnel. *Acta Cryst.* (2014). C70, 672–676. DOI: [10.1107/S2053229614012819](https://doi.org/10.1107/S2053229614012819)

- S. Bouacida, R. Bouchene, A. Khadri, R. Belhouas and H. Merazig, *Acta Cryst.* (2013). E69, m610–m611. DOI: [10.1107/S1600536813028006](https://doi.org/10.1107/S1600536813028006)
- R. Bouchene, A. Khadri, S. Bouacida, F. Berrah and H. Merazig, *Acta Cryst.* (2013). E69, m309–m310. DOI: [10.1107/S1600536813012208](https://doi.org/10.1107/S1600536813012208)
- R. Bouchene, S. Bouacida, F. Berrah, R. Belhouas and H. Merazig. *Acta Cryst.* (2013). E69, m129-m130. DOI: [10.1107/S1600536813002183](https://doi.org/10.1107/S1600536813002183)
- A. Khadri, R. Bouchene, S. Bouacida, H. Merazig and T. Roisnel. *Acta Cryst.* (2013). E69, m190. DOI: [10.1107/S160053681300603X](https://doi.org/10.1107/S160053681300603X)
- R. Bouchene, S. Bouacida, F. Berrah and J.-C. Daran. *Acta Cryst.* (2012). E68, o1493-o1494. DOI: [10.1107/S1600536812017230](https://doi.org/10.1107/S1600536812017230)
- F. Berrah, R. Bouchene, S. Bouacida and T. Roisnel. *Acta Cryst.* (2012). E68, o1116. DOI: [10.1107/S1600536812011154](https://doi.org/10.1107/S1600536812011154)
- F. Berrah, R. Bouchene, S. Bouacida and J.-C. Daran. *Acta Cryst.* (2012). E68, o1333-o1334. DOI: [10.1107/S1600536812014481](https://doi.org/10.1107/S1600536812014481)

#### Interests and Qualifications

- Materials Chemistry, Crystallography, Coordination Chemistry