



**Amel
MESSAI**

Professeur

PROFIL

Université Abbès Laghrour Khenchela

✉ messai.amel@univ-khenchela.dz

☎ 0213-662117733



LANGUES

Français 

Anglais 

Arabe 



FORMATION

2000

Oum El-bouaghi , Algeria

BSC in Engineering - Analytical chemistry

Oum El-bouaghi University

2003

Batna, Algeria

MSc in Chemistry – Organic chemistry

Lhadj Lakhdar university Batna

2004

Oum El-bouaghi , Algeria

MSc in Chemistry – pharmaceuticals chemistry

Oum El-bouaghi university

2010

Constantine , Algeria

PhD in Chemistry –Chemistry

Mentouri Constantine university

2014

Oum El-bouaghi , Algeria

Habilitation to research direction in Chemistry

Oum El-bouaghi university

2020

Professor degree in Chemistry

Depuis 2003

Université Abbès Laghrour Khenchela

Poste occupé

- *Professor in chemistry*

✍ **1)** Voltametric and molecular docking investigations of ferrocenylmethylaniline and its Nacetylated derivative interacting with DNA

A Yahiaoui, N Benzya, **Amel Messai**, T Lanez, E Lanez, Journal of Electrochemical Science and Engineering (2023)

2) Novel copper (II) and zinc (II) complexes with enrofloxacin and oxolinic acid: synthesis, characterization, Hirshfeld surface and DFT/CAM-B3LYPD3BJ studies: NBO, QTAIM and RDG ...

Amina Boughougal, Rayene Kadri, Mekki Kadri, Jean Bernard Tommasino, **Messai Amel**, Luneau Dominique, Journal of Molecular Structure (2023) 1282

3) A new mononuclear copper (II) complex with an O, N, O'-tridentate Schiff base ligand: Synthesis, structural, Hirshfeld surface, electrochemical and theoretical studies

R Hafidi, **A Messai**, M Chebbah, R Kadri, NS Labidi, M Kadri; Inorganic Chemistry Communications, (2023), 111689

4) Investigation of Proton Diffusion Coefficient for PbO₂ Prepared from Intermediate Oxides

Latifa Rahmani, Rachid Fitas, **Amel MESSAI**, Ahmad I. Ayesh; Russian Journal of Electrochemistry, 2019.

5) New model of metalloantibiotic: synthesis, structure and biological activity of a zinc(II)

mononuclear complex carrying two enrofloxacin and sulfadiazine antibiotics†

Amina Boughougal, Fatma Zohra Cherchali, **Amel Messai**, Nina Attik, Dominique Decoret, Maggy Hologne, Corinne Sanglar, Guillaume Pilet, Jean Bernard Tommasino and Dominique Luneau ; *New J. Chem.*, 2018, 42, 15346—15352

6) A new tetranuclear copper(II) complex using a Schiff base ligand:

Synthesis, structural, and magnetic studies

Fatima Aouaidjia, Amel Messai, Rachid Siab, Ahmad I. Ayesh; Polyhedron 133 (2017) 257–263.

7) New unsymmetrically substituted triazacyclohexanes: Synthesis, characterisation, antimicrobial properties and DFT study

Mahmoud Chebbah, Amel Messai, Duygu Bilge, Ahcen Bouchemma, Cemal Parlak. Journal of Molecular Structure 1129 (2017) 152-159.

8) New Cu(II) coordination polymer by chiral tridentate Schiff base ligand

Amel Messai, Duygu Bilge, Metin Bilge, Cemal Parlak.. Journal of Molecular Structure 1137 (2017) 349-353.

9) A comparative study of novel unsymmetrically substituted triazacyclohexanes

[Hanane Lamraoui](#), [Amel Messai](#), [Duygu Bilge](#), [Metin Bilge](#), [Ahcen Bouchemma](#), Cemal Parlak. Journal of Molecular Structure 1138 (2017) 64-70.

10) Synthesis, crystal structures, hydrogen bonding Graph-sets and theoretical studies of nickel (+II) co-ordinations with pyridine-2, 6-dicarboxamide oxime.

A. Hamdaoui, **A. Messai**, N. Benzya, T. Lanez and K. Sayin. J Fundam Appl Sci. 2017, 9(1), 183-205.

11) Synthesis, quantum chemical computations and X-ray crystallographic studies of a new complex based of manganese (+II)

N. Benzya, **A. Messai**, A. Hamdaoui, T. Lanez and K. Sayin. J Fundam Appl Sci. 2017, 9(2), 770-789.

12) 1-Formyl-3-phenyl-5-(4-isopropylphenyl)-2-pyrazoline: Synthesis, characterization, antimicrobial activity and DFT studies

Assia Sid, **Amel Messai**, Cemal Parlak, Nadide Kazancı, Dominique Luneau, Gürkan Kes, an, Lydia Rhyman, Ibrahim A. Alswaidan, Ponnadurai Ramasami. **Journal of Molecular Structure** **1121** (2016) **46-53**.

13) Investigation of phase transformation for ferrite-austenite structure in stainless steel thin films

Noureddine Merakeb, **Amel Messai**, and Ahmad I. Ayesch. *Thin Solid Films* **606** (2016) 120–126.

14) Synthesis, Crystal Structures, Hydrogen Bonds and Antibacterial Activity of New

Quinoline Derivatives

Tarek Djemel, **Amel Messai**, Dominique Luneau & Earwann Jeanneau. *J Chem Crystallogr* (2015) 45:300–309.

15) Structural, mechanical, and magnetic properties of ferrite–austenite mixture in evaporated 304 stainless steel thin films

Noureddine Merakeb, **Amel Messai**, Abdelkader Djelloul & Ahmad I. Ayesch. *Appllied. Physics. A. Volume* **121**, [Issue 2](#), pp 739–748, 2015.

16) Synthesis, Characterization and properties studies of new magnetic materials

Messai Amel, Luneau Dominique, International Conference on Advanced Materials (ICAM 2015) IOP Publishing. 2015.

17) Synthesis, Characterization and Antimicrobial Screening of Some Novel 3-(Naphtalen-1 and 2-yl) -5- Aryl-2-Pyrazolines Synthesized by Condensation of Hydrate Hydrazine to Appropriate α , β -Unsaturated Ketones

Assia Sid, Fatiha Mahdi, **Amel Messai**, Nouara Ziani and Mahieddine Mokhtari. *Journal of Chemical, Biological and Physical Sciences; Section A; Vol. 5, No. 2;1125-1130*.2015.

18) Crystal structure of 3-[4-(1-methylethyl)-phenyl]-1-(naphthalen-2-yl)prop-2-en-1-one

Sid Assia, **Messai Amel**, Ziani Nouara, Mokhtari Mahieddine and Lamara Kaddour. *Acta Cryst.* (2014). **E70**, 1009-1010.

19) trans-Diaquabis(DL-valinato- η^2 N,O)-nivhel(II).

Amel Messai, R. Benali-Cherif, E. Jeanneau and N. Benali-Cherif . *Acta Cryst.* (2011). **E67**, m1204-m1212.

20) Hydrogen bonding in carboxypropanaminium nitrate

Amel Messai, R. Benali-Cherif, E. Jeanneau and N. Benali-Cherif . *Acta Cryst.* (2012). **E67**, O1307-O1308.

21) Conformation effect in engineering a new magnetic material. **Messai**, A. Direm, N. Benali-Cherif et D. Luneau.. *Acta Cryst.* (2010) **A66**, s225

22) Creatiniumperchlorate. **A. Messai**, A. Direm, N. Benali-Cherif, D. Luneau & E. Jeanneau. (2009). *Acta Cryst.* **E65**, o460.

23) Hydrogen bonding in cytosinium dihydrogen phosphite

Amel Messai, N. Benali-Cherif, E. Jeanneau and D. Luneau.. *Acta Cryst.* (2009). **E65**, o1147-o1148.

24) 3-Hydroxyanilinium hydrogensulfate Benali-Cherif, A.Kateb, H. Boussekine, Z. Boutobba, **Amel Messai**..*Acta Cryst.* (2007). **E63**, o3251