



**Amel  
MESSAI**

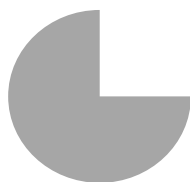
Professeur

## PROFIL

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## LANGUES

Français

Anglais

Arabe



## FORMATION

**2000**

Oum El-bouaghi , Algerie

**Ingénieur en Chimie Analytique**

Université d'Oum El-bouaghi

**2003**

Batna, Algerie

**Magistère en Chimie Organique**

Université Lhadj Lakhdar Batna

**2004**

Oum El-bouaghi , Algerie

**Magistère en Chimie Pharmaceutique**

Université d'Oum El-bouaghi

**2010**

Constantine , Algerie

**Doctorat en Sciences en Chimie des Matériaux**

Université Mentouri Constantine

**2014**

Oum El-bouaghi , Algerie

**Habilitation Universitaire**

Université d'Oum El-bouaghi

**2020**

**Professeur en chimie**

Depuis 2003

**Université Abbès Laghrour Khenchela**

Poste occupé

- *Professeur en chimie*
- *Président du CSD Science de la matière*

✍ **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 PbO<sub>2</sub> 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. Ayeshe. *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. Ayeshe. *Appl. Phys. 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-(Naphthalen-1 and 2-yl) -5- Aryl-2-Pyrazolines Synthesized by Condensation of Hydrate Hydrazine to Appropriate  $\alpha$ ,  $\beta$ -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- $\eta^2$ 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)** Creatinium perchlorate. **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