



## Contact

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0774821990

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### Address

city 45 aissa boukerma, Skikda,  
Algeria

## Education

2012

baccalaureate in experimental science,  
acceptable mention

2014

Degree in material science

2017

master in physics - material physics

university 20 august 1955 skikda

## interest

- Sport
- Reading

## Language

- Arabic : mother tongue
- French : well
- English : medium

# Esma Semassel

I obtained the diploma of master in the university 20 august 1955 skikda -algeria in physics - physique of materials, since 2020 I began my doctoral studies in physics of materials in the university of 8 may 1945 Guelma, Algeria.

## Education & diploma

2012 - 2014

University 20 august 1955 skikda-Algeria

### Degree in material science

Title of dissertation: study of polarization of coherent light

2014 - 2017

University 20 august 1955 skikda-Algeria

### Master in physics - material physics

Title of the thesis : structural and optical characterization of ZnO thin films obtained by thermal oxidation.

Mention: 17/20 very honorable

2019-....

University 8 may 1945-Guelma

### Doctorate diploma

2019 -2020 1st year of doctoral studies in physics of materials

laboratory of physics of materials L2PM, faculty of mathematics, computer science and material science, department of material sciences.

2020-2021 Bibliographical research and training on the theme of the thesis (investigation of structural , electronic ...., for MgS doped by TM or TR)

Learn and master the win2k calculation code (structural, electronic, magnetic, elastic and optical properties of solid materials, approximation GGA-WC ...,Tb-mbj , GGA+U ....)

2021-2023 participate in national and international communication

- 1ere Conférence Nationale sur la Physique des Matériaux et leurs Applications
- Titre:Propriétés Structurales,Électroniques et magnétiques Du MgS dopé par MT=Fe,Mn.
- 2ème Séminaire international sur les sciences de la matière (chimie,physique) Head office: A.N.E.A.U Association, U.S.T.Oran, Bir El Djir,31000, Algeria

Title:The magnetic and elastic properties of the Cr-doped MgS compound in Rock-Salt structure.

- 1st International Conference on Sustainable Energy and Advanced Materials IC-SEAM'21 April 21-22, 2021, Ouargla, ALGERIA.

Title:Study of structural,electronic,magnetic properties of Cr doped MgS in Rock-Salt structure.

- 1st National Conference on Science & Technology ,1st NCST22, 27th-28th JUNE 2022, Mascara, Algeria.

Title:Investigation of electronic and magnetic properties of Mg<sub>0.75</sub>Ni<sub>0.25</sub> in rock-salt phase.

- THE 1ST INTERNATIONAL CONFERENCE ON RENEWABLE MATERIALS AND ENERGIES ICRME2022 October 26-27, 2022, OUARGLA-ALGERIA

Title:FIRST THEORETICAL STUDY OF THE ELECTRONIC AND MAGNETIC PROPERTIES OF Mg<sub>0.75</sub>Co<sub>0.25</sub>.

- The 4th International Conference on Electromechanical Engineering (ICEE2022) on December 13-14, 2022 at the university of Skikda, Algeria.

Title:Investigation of Structural, Electrical and optical properties of Mg<sub>1-x</sub>MnxS.

- has participated in 3rd International Conference on Applied Engineering and Natural Sciences on 20-23 July in 2022 at Konya/Turkey.

Title:Study of structural, electronic and magnetic properties of MgTM<sub>0.25</sub>S ( TM= Sc, Nb).

- 1st International Conference on Engineering, Natural and Social Sciences ICENSO 2022 on December 20 - 23, 2022 in Konya, Turkey

Title:Comparative investigation of Mg<sub>0.75</sub>Eu<sub>0.25</sub>S properties by GGA+U and Tb mbj.

2023 International publication of the article

- Theoretical study of structural, electronic, elastic and optical properties of Mg<sub>1-x</sub>Cr<sub>x</sub>S in ferromagnetic rock-salt structure . <https://doi.org/10.1016/j.physb.2023.414778>.

## Reference

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