

Manel Bouguerra

E-mail: manel01bouguerra@gmail.com

Tel: +21653129965

Address: Agareb 3030, Sfax, Tunisia.

LinkedIn: <https://www.linkedin.com/in/manel-bouguerra-2234236b/>

ResearchGate: <https://www.researchgate.net/profile/Manel-Bouguerra>



**Doctor of Philosophy in Chemistry – Scientific researcher – Laboratory Technician –
Post-Doctoral Fellowship - Inorganic Chemistry - Solid State Chemistry**

Enthusiastic, dynamic and adaptive Senior researcher in Materials chemistry with the ability and willingness to learn, commit and grow among an ambitious interdisciplinary team.

Summary of skills

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|--|---|
| • Inorganic chemistry | • Materials characterizations |
| • Hybrid/Inorganic and organic synthesis | • Quality control and production management |
| • Marketing and negotiation | • Mentoring and supervising |

Skills related to the position

Technical

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|--|-------------------------|
| • Schlenk Line and Cannulation Techniques. | • DSC/TGA/DTA. |
| • Spectroscopic IR/Raman measurements. | • UV-Vis, Fluorescence. |

IT Excellent computer skills. Competent in Microsoft Office, ChemDraw, OriginLab, Crystal Explorer, Mercury, Diamond Software, MasterNova ...

Languages:

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|--------------------------|---------------------------|
| • Arabic (Mother Tongue) | • German (Conversational) |
| • English (Professional) | • Italian (Beginner) |
| • French (Professional) | |

Management

 Different management skills applied

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|--------------------------------|--|
| • Research and development. | • Engagement and Motivation |
| • Organization and punctuality | • Analytical skills and problem solving |
| • Determination | • Oriented thinking in group work processes. |

Professional Experience

- **Doctoral researcher** (01/01/2017 – 31/12/2021)
Laboratory of Physico-chemistry of solid-state, Sfax, Tunisia.
Crystal engineering, physico-chemical characterizations and biological activities of some metal-organic halides.
- **Visiting Researcher** (01/10/2020 – 01/02/2021)
Institute of Inorganic and Analytical Chemistry, Mainz, Germany.
Organometallics, coordination chemistry, organometallic synthesis, magnetic properties.

- **Visiting Researcher** (15/03/2019 – 30/07/2019)
Laboratory of Organometallics synthesis, Cluj-Napoca, Romania.
Synthesis and characterization of organometallic substances under a controlled atmosphere.
- **Data collector and team assistant** (01/03/2018 – 30/06/2018)
IDEA CONSULT, Sfax, Tunisia.
Collecting data about the national project "Metro of Sfax". Treatment of the obtained results and managing the relevant files and obtained data.
- **Group leader** (01/12/2014 – 30/09/2015)
CLUBSHOP REWARDS, Worldwide
Online sale and marketing of different services. Starting first with market investigation and identification of customer needs, implantation in the market and negotiating selling strategies.
- **Trainee** (01/03/2015 – 01/05/2015)
Laboratory of Materials Science and Environment, Faculty of Sciences of Sfax, Tunisia
Bioactive Fluorosilicated glasses as bones filling (Verres Bioactifs Fluorosilicatés en tant que biomatériaux de comblement osseux).
- **Trainee** (01/06/2014 – 01/07/2014)
SCHLUMBERGER DOWELL, Sfax, Tunisia.
Main task of petroleum laboratory chemist. QHSE training.

Education

- **Ph.D IN INORGANIC CHEMISTRY** University of Sfax- TN (2018 -2021)
- **MASTER OF INORGANIC CHEMISTRY** University of Sfax- TN (2015-2017)
- **LICENCE OF CHEMISTRY** University of Sfax-TN (2012 - 2015)

Achievements

- **Publication of a paper** entitled: Physico-chemical study of new supramolecular- architected hybrid organic–inorganic sulfates incorporating diammoniumdiphenylsulfone cations [2021].
- **Oral communication:** 2021 - The 2nd International Meeting on Advanced Materials (IMAM-2021) - "Synthesis, crystal structure, vibrational spectroscopy, thermal study and Visible Absorption of a new hybrid compound containing chlorate anions of stannate (II)".
- **Oral communication:** 2021 - 35th Eg-MRS international conference - "Structural study, thermal analysis, vibrational and optical properties of a novel organic inorganic hybrid perovskite".
- **Oral communication:** 2018 - Tunisia Chemistry Conference hosted by the Tunisian Chemical Society- "Synthesis and characterization of two organic-inorganic salts: sulfates of diphenyl sulfone derivatives."
- **Poster:** 2021 - The 2nd International Meeting on Advanced Materials (IMAM-2021) – "Novel lead-free hybrid perovskite-like compound investigation: Synthesis, Crystal Structure, Thermal Stability and UV-Vis Absorption."
- **Poster:** 2017 – The 8th International Conference in Solid State Chemistry - "Chemical synthesis, crystal structure, thermal analysis, vibrational and uv-vis spectroscopy of new hybrid compound based on sulfate."

Having attended

- **World Youth Forum.** Sharm El Sheikh, Egypt - January **2022**.
- **International School on Sensors for Body Area Networks.** Online – 31st May- 4th June **2021**.
- **Health and Security in Laboratories.** Faculty of Sciences of Sfax – 24th January **2019**.
- **Bio-Polymers.** University of Sfax – 1st and 2nd March **2019**.
- **Euro-Mediterranean Intercultural Trends.** Online - December **2019**.
- **Various Coursera courses.**