

# RAYHANE ZRIBI

POSTDOC AT THE UNIVERSITY OF MESSINA  
DEPARTMENT OF ENGINEERING AND  
CHEMISTRY OF MATERIALS AND  
CONSTRUCTIONS

## PERSONAL INFORMATION

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[Redacted]



/rayhane-zribi



ORCID: 0000-0001-6863-4147

Scopus Author: 57211293175

- **From 2013 to 2016**

Bachelor degree in fundamental physics obtained with honors from University of Sfax, Tunisia.

- **From 2009 to 2013**

High school diploma in mathematics obtained with honors from Hbib Bourguiba high school of Sfax, Tunisia.

## SKILLS

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- Communication
- Leadership
- Time and team management
- Computer skills : Origine, Matlab , Gamess , Dropview, Word, Excel, Power point..

## LANGUAGES

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- Arabic : Mother tongue
- French : Excellent
- English : Excellent
- Italian : Excellent

## VOLUNTEER WORK

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Old manager in AIESEC



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- **From 2020 to present**

Associated researcher at the Institute of Physico-Chemical Processes at the National Research Council "IPCF-CNR" in Messina (Italy) under supervision of Dr. Pietro Giuseppe Gucciardi and Dr. Antonino Foti.

- **From 10/2019 to 07/2023**

Accepted for PhD at University of Messina (Italy) in Engineering and Chemistry of Materials and Constructions under the supervision of Prof. Giovanni Neri.

- **From 12/2018 to 07/2019**

Internship at University of Messina (Italy) Engineering department in the sensor's laboratory under the supervision of Prof. Giovanni Neri.

- **October 2018 :**

Master degree in Physics obtained with honors from University of Sfax, Tunisia. Specialty : condensed matter and nanostructures.

- **From 02/2018 to 07/2018 :**

Master training in the development of chemical sensors during 6 months, accomplished at University of Messina (Italy) under the supervision of Prof. **Giovanni Neri** and Prof. **Ramzi Maalej** from university of Sfax (Tunisia) in collaboration with the National Research Council CNR of Messina (Italy) under the supervision of Dr. **Pietro Giuseppe Gucciardi**.

- **From 09/2016 to 07/2017**


ERASMUS+ Exchange student at University of Messina (Italy) in which first year of master courses in physics were accomplished.


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## REASERCH EXPERTISE

- Synthesis of 2D material via low cost and large-scale methods ( ex: Liquid Phase Exfoliation, Liquid Cascade Centrifugation) .
- Characterization of the obtained nanomaterials using Raman spectroscopy, UV-Vis spectroscopy, Scanning Electron Microscope, Atomic Force Microscopy, Dynamic Light Scattering.
- Development of electrochemical sensors for biomolecules and pesticides detection.
- **From 05/2023 to present**  
Accepted for a postdoc position at University of Messina.
- **July 2023**  
Obtaining the title of doctorate in Engineering and chemistry of materials and constructions with excellent judgment with honors as a mention.
- **From 07/2022 to 12/2022**  
Internship at Iowa State University (Iowa, USA) at Mechanical engineering department inside the laboratory of "Claussen Lab" under the supervision of Prof. **Jonathan Claussen** in collaboration with **Prof. Carmen Gomes**.  
**Gained skills :**
  - \* Printing sensors using Laser Induced Graphene technique and testing them for pesticides detection.
- **From 03/2022 to 06/2022**  
Internship inside the group of NanoRaman in the Laboratory of Interfaces and Thin Films (LPICM) of Prof. **Yvan Bonnassieux** at "école Polytechnique-Institut Polytechnique de Paris", Palaiseau, (France) under the supervision of Prof. **Aleix Guell** in collaboration with Prof. **Razvigor Ossikovski**.  
**Gained skills :**
  - \* Trainings on Scanning Electron Microscope and Atomic Force Microscopy machines.




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## VOLUNTEER WORK

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## SCIENTIFIC PUBLICATIONS

- [1]: **Zribi, R.;** Neri, G. *Sensors*. 2020, 20(18), 5404.
- [2]: **Zribi, R.;** Maalej, R.; Gillibert, R.; Donato, M.G.; Gucciardi, P.G.; Leonardi, S.L.; Neri, G. *FlatChem*. 2020, 100187.
- [3]: **Zribi, R.;** Maalej, R.; Messina, E.; Gillibert, R.; Donato, M.G.; Marag`o, O.M.; Gucciardi, P.G.; Leonardi, S.G.; Neri, G. *Sens. Actuators B Chem*. 2020, 303, 127229.
- [4]: **Zribi, R.;** Foti, A.; Donato, M.G.; Gucciardi, P.G.; Neri, G. *Sensors*. 2021, 21,4, 1371.
- [5]: **Zribi, R.;** Ferlazzo, A.; Fazio, E.; Condorelli, M.; D'Urso, L.; Neri, G.; Corsaro, C.; Neri, F.; Compagnini, G.; Neri, G. *IEEE*. 2023, 72, 1-8, 600270821994521.
- [6]: **Zribi, R.;** Foti, A.; Donato, M.G.; Gucciardi, P.G.; Neri, G. *Electrochimica Acta*. 2022, 141433.
- [7]: Abid, K.; **Zribi, R.;** Maalej, R.; Foti, A.; Khaskhoussi, A.; Gucciardi, P.G.; Neri, G. *FlatChem*. 2022, 100433.
- [8]: Chelly, M.\*; Chelly, S.\*; **Zribi, R.;** Bouaziz-Ketata, H.; Gdoura, R.; Nehru, L.; Veerapandi, G.; Sekar, C.; Neri, G. *Nanomaterials*. 2021, 11, 739.
- [9]: S. Chelly, S.; Chelly, M.\*; **Zribi, R.;** Gdoura, R.; Bouaziz-Ketata, H.; Neri, G. *ACS Omega*. 2021, 6, 37, 23666-23675.
- [10]: Abid, K.; Belkhir, N.H.; Jaber, S B.; **Zribi, R.;** Donato, M.G.; Di Marco, G.; Gucciardi, P.G.; Neri, G.; Maalej, R. *J. Phys. Chem. C*. 2020, 124, 20350-20358.

## CONFERENCES PARTICIPATION

- Associazione Italiana di Chimica per Ingegneria. (2019): Poster presentation.
- New times-new trends in Materials science and Engineering. (2021): Oral presentation.
- Congresso Nazionale della Società Chimica Italiana, SCI. (2021): Oral presentation.
- Medical Measurement and Applications. (2022): Oral presentation and paper submission
- Eurosensors school and conference. (2023): Oral presentation.