



# Curriculum Vitae – Riahi oussama

Date of Birth: 05/09/1988  
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## PERSONAL PROFILE

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Currently i am a PhD student and my research activities are closely related to the laboratory of physics of soft matter and Electromagnetic Modeling in the Faculty of Sciences of Tunis / University of Tunis – El Manar, in Tunisia (LP3ME ). I am seeking to undertake training in the domain of physics and be able to complete my studies with the appropriate skills. I have shown myself to be self-motivated, committed and determined in achieving my goals, come what may.

## EDUCATION:

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### **2012 - 2016 Faculty of Sciences of Tunis:**

PhD in physics

Subject “étude de la structure et du comportement des mesophases smectiques chirales” under the supervision of prof. Tahar OTHMAN (Faculty of Science of Tunis)

### **2010 – 2012 Faculty of Sciences of Tunis:**

Subject “visco-elastic behaviour study of liquid crystals” under the supervision of prof. Tahar OTHMAN (Faculty of Science of Tunis)

### **2007-2010 Faculty of Sciences of Tunis:** 3 year Undergraduate degree Of Physics

**2003-2007 Lycée 2 mars 1934 Goubellat:** High school diploma (Baccalaureate Experimental Science)

## SKILLS:

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### **Skills and knowledge in the Master:**

During the two years 2010-2012, I was a master student in « Laboratoire de Physique de la Matière molle et de la modélisation électromagnétique » (LP3ME), in the Faculty of Sciences of Tunis / University of Tunis - El Manar, in Tunisia. Then, I've continued my doctoral research at the same laboratory. I've interested to dielectric and electro-optical properties of some chiral smectic liquid crystals compounds. I've studied the influence of defects and surface effects on the stability of phenomena accompanying phase transition. Also, I've

interested to theoretical study of field induced structures of a chiral smectic liquid crystals phases.

I master some experimental techniques:

- Dynamic light scattering (spectroscopy by beating of photons)
- Static light scattering
- Diffusing wave spectroscopy (DWS; It allows to study highly concentrated systems whose dynamics is very complicated)
- Dielectric spectroscopy
- Electro-optical measurement

### Computing

- **Microsoft Office Suite:** Strong knowledge of MS Word, Excel, PowerPoint, and MS Publisher.
- **K-Graph, Origin :** While during my master research, I learned how to use k-Graph and Origin .

### Publications and communications

Articles:

- Field-induced phase transitions in chiral smectic liquid crystals studied by the constant current method. H. Dhaouadi, R. Zgueb, [O. Riahi](#), F. Trabelsi, T. Othman. Chin. Phys. B, 2016, 25 (5): 057704 **doi:** 10.1088/1674-1056/25/5/057704
- Effect of defects and surface anchoring on the phase behavior of chiral smectic liquid crystals. [O. Riahi](#), F. Trabelsi, H. Dhaouadi, R. Zgueb, T. Othman. (In press)

Communications:

- **Certificate of participation** « le 11ème Colloque national de Recherche en Physique CNRP11, du 20 au 23 décembre 2014 à l'Hôtel EL Mouradi Palace, El Kantaoui, Sousse, Tunisie »
- **Certificate of participation** « Multifunctional Materials and their Applications (2MAP- 6 - 8 Mai 2016 Sousse, Tunisia »
- **Certificate of participation** « journées jeunes chercheurs » Faculty of Sciences of Tunis – 2016
- **Certificate of participation** « ISMC 2016 4th International Soft Matter Conference Grenoble » 12-16 septembre 2016 Grenoble- France.

### EXTRA-CURRICULAR ACTIVITIES

Astronomical Society of Tunisia S.A.T City of Sciences-Tunis  
Tunisian Physical Society : Faculty of Sciences of Tunis

