

## *Curriculum vitae*

**Dmytro KANDASKALOV**

<https://www.researchgate.net/profile/Dmytro-Kandaskalov>

IM2NP-RDI, service 142, Avenue Escadrille Normandie Niémen

13397, Marseille, France

[dmytro.kandaskalov@im2np.fr](mailto:dmytro.kandaskalov@im2np.fr)



---

### **Education and Diplomas**

---

- 2009-2013 :** PhD Diploma in Material Science: « DFT study of point and complex defects in transition metals: application to Fe-bcc and Ni-fcc».
- 2008-2009 :** Diploma of **Master 2R** University of Paul Sabatier (UPS, Toulouse III, France)  
Specialty: physical and theoretical chemistry (mention: AB, 13/20).
- 2007-2008 :** Diploma of **Master 1 et 2** Kiev's National University of Taras Shevchenko, department of organic chemistry (mention excellent, 5/5).
- 2003-2007 :** Diploma of bachelor's degree with honors in Kiev's National University of Taras Shevchenko, department of organic chemistry (mention excellent, 5/5).

---

### **Expérience professionnelle**

---

- Since 2014 :** Associated Professor at University of Aix-Marseille. The research activity is going in « RDI » team of IM2NP Laboratory, Marseille
- 2013-2014 :** Post-doctoral work in Institute Jean Lamour, Nancy, France. «DFT study of Catalytic activity of complex metallic alloys».
- 2009-2013** PhD work in National Institute Polytechnic of Toulouse, France under the direction of Pr. Claude Mijoule and Dr. Damien Connétable. “DFT study of the points defects in the  $\alpha$ -iron and  $\gamma$ -nickel”.

---

### **Competence in theoretical research work**

---

#### ***Periodic systems***

- Optimisation de structures, propriétés électroniques et magnétiques (VASP);
- Materials defects (vacancies, impurities, multivacancies);
- Surfaces (segregation, adsorption, heterogeneous catalysis);
- Quasicrystalline approximants and complex metallic alloys (CMA)
- Auto-diffusion and diffusion on atomic level ;
- NEB Calculation (reactivity and diffusion) and ELI/ELF (visualization of covalent bonds)

---

### **Professional Interest**

---

Solid state physics, Catalytic activity of surfaces, Diffusion, Metallurgy