

Mattiuzzi Alice

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Date and place of birth: 26/10/1985, Charleroi
Nationality: Belgian

EDUCATION

juil. 2012 Researcher First Spin-off project

Université Libre de Bruxelles (U.L.B), Organic Chemistry Laboratory, supervisor : Pr. I. Jabin

2007- 2012 Ph.D. in Organic Chemistry (Aspirante FNRS)

Université Libre de Bruxelles (U.L.B), Organic Chemistry Laboratory (Pr. I. Jabin)

« Synthesis and study of photophysical proprieties of Ru(II) complexes from 1,2,3-triazole based ligands and from calix[4 et 6]arenes based ligands - Use of calix[4]tetradiazoniums for the surface modification »

2006-2007 Degree of « 2^{ème} Licence en Sciences Chimiques » (GD)

Université Libre de Bruxelles (U.L.B), Organic Chemistry Laboratory (Pr. I. Jabin)

« Synthesis of Ruthenium (II) complexes from calix[6]arene based ligands»

2005-2006 Degree of « 1^{ère} Licence en Sciences Chimiques » (GD)

Université Libre de Bruxelles (U.L.B), Belgium

2003-2005 Degree of « Candidature en Sciences Chimiques » (D)

Université Libre de Bruxelles (U.L.B), Belgium

2003 Graduated from High School

Athénée Royal Vauban, Charleroi

SCIENTIFIC ACTIVITIES

- **Examples of participation in symposia (participation in ~ 20 symposia or days of lectures):**

3-7/07/2011 6th International Symposium on Macrocyclic and Supramolecular Chemistry (Presentation of poster)

«Ru-TAP complexes with btz and pytz ligands: novel candidates as photooxidizing agents»

11-16/07/2010 12th Belgian Organic Synthesis Symposium (Presentation of poster)

« Synthesis of Ruthenium complexes from calixarene based ligands »

04/2010 Scientific trip (15 days)

Université de Rennes 1, Laboratoire de Matière Condensée et Systèmes Électroactifs (UMR6226)

24/04/2009 EDT CHIM (Presentation of poster and oral communication)

« Synthesis of Ruthenium complexes from calixarene based ligands »

13-18/07/2008 11th Belgian Organic Synthesis Symposium

- **Distinctions**

FNRS grant

Debrouckère-Solvay grant (scientific trip)

Fonds L. et H. Fredericq (symposium)

Fonds David & Alice Van Buuren (end of PhD)

- **Teaching experience**

2009-2010 Supervision of practical laboratory in Organic Chemistry: M.S. Level
CHIM-F-445 (24h)
2008-2009 Supervision of practical laboratory in Organic Chemistry: M.S. Level
CHIM-F-445 (24h)

- **Supervision of students**

2010-2011 Supervision of undergraduate student
2009-2010 Supervision of undergraduate student
Mars-Mai 2008 Supervision of undergraduate student
Mars-Avril 2008 Supervision of students for the Printemps des sciences « Terre à terres »

- **Publications**

« Ru-TAP complexes with btz and pytz ligands : novel candidates as photooxidizing agents »
A.Mattiuzzi, I. Jabin, C. Moucheron, A. Kirsch-De Mesmaeker *Dalton trans.*, 2011, **40**, 7395-7402

« Ipso-Nitration of Calix[6]azacryptands: Intriguing Effect of the Small Rim Capping Pattern on the Large Rim Substitution Selectivity » M. Lejeune, J.-F. Picron, A. Mattiuzzi, A. Lascaux, S. De Cesco, A. Brugnara, G. Thiabaud, U. Darbost, D. Coquière, B. Colasson, O. Reinaud, and I. Jabin *J. Org. Chem.*, 2012, **77**, 3838-3845.

« Materials Coated with Calixarenes » A. Mattiuzzi, I. Jabin, O. Reinaud, P. Hapiot and C. Lagrost *Patent EP12164038.7*, Apr. 2012

« Electrografting of calix[4]arenediazonium salts to form versatile robust platforms for spatially controlled surface functionalization » A. Mattiuzzi, I. Jabin, C. Mangeney, C. Roux, O. Reinaud, L. Santos, J.-F. Bergamini, P. Hapiot and C. Lagrost *Nature Commun.*, 2012, **3**, 1130-1137.

OTHER SKILLS AND QUALIFICATIONS

- **Instrumentation experience**

Organic Synthesis, NMR, ESI-MS	Very good knowledge
UV-Visible Absorption, Fluorescence,	Good knowledge
SPC, Cyclic voltammetry, Surface Modification,	
Surface Characterization	

- **Computer**

Microsoft: Word, Excel, Power Point	Very good knowledge
Softwares: ChemBioDraw, MestReNova	Very good knowledge

- **Languages (spoken/written)**

French	Mother tongue
English	Very good/Very good
Dutch	basic/basic (High school Degree)

HOBBIES AND INTERESTS

Travel, Reading, Sport (basketball), Politics

ADDITIONAL INFORMATION

Belgian B Driving Licence, I am also in possession of a personal car
Several summer jobs (administrative work, store cashier)