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▶ Education

- 2018** **Doctor** in Organic Chemistry
Université libre de Bruxelles, laboratoire de chimie organique, Brussels, Belgium;
- 2013** **Master** in Ethnoecology (Phytochemistry direction)
Minzu University of China, Laboratory of ethnobotany, Beijing, China;
- 2010** **Bachelor** in Pharmacy
Jining Medical University, China;

▶ Research Experience

- Oct. 2017-**
-Sept. 2018 Laboratoire COBRA (Chimie Organique et Bioorganique-Réactivité et Analyse),
Université de Rouen Normandie, France
Post-doctoral position
Supervisor: Dr. Tatiana Besset, Dr. Thomas Poisson and Pr. Xavier Pannecoucke
“Palladium-catalyzed synthesis of 3-trifluoromethylated 1,3-dienes and non-transition metal-mediated introduction of SCF₂PO(OEt)₂ to alkynes and styrenes”
- 2013-2018** Laboratory of Organic Chemistry, Université libre de Bruxelles, Belgium
PhD Student: CSC Fellowship
Supervisor: Pr. Gwilherm Evano
“Formation of C-O bonds by copper catalysis: application to the total synthesis of melanthioidine and to the development of a domino double Ullmann / double Claisen sequence”.
- 2010-2013** Laboratory of ethnobotany, Minzu University of China, China
Master Student;
Supervisor: Pr. Chunlin Long
“Natural products research of two ethnomedicinal plants from Southwest China: *Elephantopus scaber* and *Gerbera piloselloides*”.
- Jun.-Oct. 2012** Laboratory of phytochemistry, City University of New York, USA
Supervisor: Pr. Edward J. Kennelly
“Natural products analysis of *Gerbera piloselloides*”.

• **Postdoc research (Fluorine chemistry)**

1. "Palladium-catalyzed synthesis of 3-trifluoromethylated 1,3-dienes from acrylated derivatives and BTP" Zhao, Q.;¹ [Wang, J.](#);¹ Besset, T.; Pannecoucke, X.; Bouillon, J.-P.; Poisson, T. *Tetraheron*. **2018**. (Invited paper and in review).
2. "Functionalization of alkynes and styrenes by using a SCF₂PO(OEt)₂-containing electrophilic reagent" [Wang, J.](#); Pannecoucke, X.; Poisson, T.; Besset, T. Manuscript in preparation.

• **Ph.D. Studies (Organic synthesis)**

1. "Total Synthesis of (-)-Melanthoidine by Copper-mediated Cyclodimerization" [Wang, J.](#); Evano, G. *Org. Lett.* **2016**, *18*, 3542-3545.
2. "A Journey in the Chemistry of Ynamides: from Synthesis to Applications" Evano, G.; Blanchard, N.; Compain, G.; Coste, A.; Demmer, C. S.; Gati, W.; Guissart, C.; Heimbürger, J.; Henry, N.; Jouvin, K.; Karthikeyan, G.; Laouiti, A.; Lecomte, M.; Martin-Mingot, A.; Métayer, B.; Michelet, B.; Nitelet, A.; Theunissen, C.; Thibaudeau, S.; [Wang, J.](#); Zarca, M.; Zhang, C. *Chem. Lett.* **2016**, *45*, 574-585.
3. "Copper-Catalyzed Directed Alkylation of Electron-Rich Arenes" Theunissen, C.; [Wang, J.](#); Evano, G. *Chem. Sci.* **2017**, *8*, 3465-3470.
4. "Metal-mediated C-O bond forming reactions in natural product synthesis" Evano, G.; [Wang, J.](#); Nitelet, A. *Org. Chem. Front.* **2017**, *4*, 2480-2499.
5. "Total synthesis of paliurine F and E" [Wang, J.](#); Dewez, D.; Evano, G. Manuscript in preparation.
6. "Domino Copper Catalyzed Double Ullmann Coupling – Claisen Rearrangement" [Wang, J.](#); Evano, G. Manuscript in preparation.

• **Master Studies (Phytochemistry)**

1. "Antioxidants from *Gerbera piloselloides*: an ethnomedicinal plant from southwestern China" [Wang, J.](#); Petrova, V.; Wu, S. B.; Zhu, M.; Kennelly, E. J.; Long, C. *Nat. Prod. Res.* **2014**, *28* (22), 2072-2075.
2. "Bioactivities of Compounds from *Elephantopus scaber*, an Ethnomedicinal Plant from Southwest China" [Wang, J.](#); Li, P.; Li, B.; Guo, Z.; Kennelly, E. J.; Long, C. *J. Evid. Based Complementary Altern. Med.* **2014**, Article ID 569594.
3. "Studies on Medicinal Plants of *Elephantopus (Compositae)*" [Wang, J.](#); Liu, Y.; Xu, J.; Wang, A.; Wang, Y. L.; Long, C. *Nat. Prod. Res. Dev.* **2013**, *25*, 401-409. (In chinese)
4. "Antioxidant and Anti-inflammatory Caffeoyl Phenylpropanoid and Secoiridoid Glycosides from *Jasminum nervosum* Stems, a Chinese Folk Medicine" Guo, Z.; Li, P.; Huang, W.; [Wang, J.](#); Liu, Y.; Liu, B.; Wang, Y.; Wu, S.; Kennelly, E. J.; Long, C. *Phytochemistry*. **2014**, *106*, 124-133.
5. "Separation of Three Bioactive Isomers from *Bidens pilosa* by Countercurrent Chromatography" Li, P.; Wang, Y.; Guo, Z.; Wu, S.; Kennelly, E. J.; [Wang, J.](#); Tang, L.; Long, C. *J. Liq. Chromatogr. Relat. Technol.* **2014**, *37*, 2598-2609.
6. "Chemical Constituents of *Cibotium barometz* and Their Bioactivities" Xu, J.; Wang, Y.; [Wang, J.](#); Tang, W.; Chen, L.; Long, C. *Nat. Prod. Res. Dev.* **2012**, *24*, 134-140. (In chinese)
7. "Advances of Chemical Composition of Medicinal Plants in *Aceraceae*" Tang, W.; [Wang, J.](#); Xu, J.; Wang, L.; Huang, J.; Lu, Y. *Northern Horticulture*. **2012**, *18*, 194-200. (In chinese)
8. "Research of Flora and Diversity of Medicinal Plant in Jingxi Traditional Market" Guo, Z.; Liu, Y.; Huang, W.; Ju, Y.; [Wang, J.](#); Li, Z.; Liu, B.; Long, C.; *Journal of MUC (Natural Science Edition)*. **2013**, *22*(3), 18-23. (In chinese)

9. "Investigation of Medicinal Plant Resources of Xiaolongmen Forest Park in Beijing" Xu, J.; Huang, W.; [Wang, J.](#); Huang, W.; Li, P.; Ju, Y.; Wang, A.; Long, C. *Journal of MUC (Natural Science Edition)*. 2012, 21(4), 23-30. (In chinese)

Supervision Experience

- **July.-Sept. 2018** Supervision of one bachelor student.