

Xiao-Ran Zhou

Doctoral Researcher
Forschungszentrum
Jülich
UCLouvain

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website: xrzhou.com

status: married, one daughter

born: March – 1990

interests: plants; modelling; programming; mathematics

Education

- [Doctoral Researcher](#) @ Forschungszentrum Jülich & UCLouvain
2017 – PRESENT
Developing CPlantBox model, to simulate carbon and water flow in plants.
Package 1: [adding shoot](#) and [leaf](#) parts on CRootBox to [grow structure](#);
Package 2: coupling P1afMunch to simulate [flows](#) in plants;
Package 3: adding [growth feed-back](#) from the carbon and water flows.
- [Master](#) @ Montpellier SupAgro & Hochschule Geisenheim University
2012 – 2015 Thesis topic: [Modelling](#) on aroma in fermentation
- [Bachelor](#) @ Northwest A&F University
2008 – 2012 Thesis topic: [Pattern recognition](#) of wine sensory profile

Working & Training

2016 – 2017 Database management & Consultant
2015 – 2016 German Language Course @ Volkshochschule Ostfildern

Paper & Posters

- "CPlantBox, a whole-plant modelling framework for the simulation of water-and carbon-related processes." in silico Plants 2.1 (2020): diaa001
- Carbon distribution of rhizosphere through plant, Rhizosphere 5, Saskatoon, Canada
- Presentation of CPlantBox: a whole functional-structural plant model (root and shoot) coupled with a mechanistic resolution of carbon and water flows, PMA2018, Hefei, China

Community Services

2018-2019 DocTeam Speaker of Forschungszentrum Jülich
2019-2020 PhD representative of IBG-3 Institute

Language & Skills

German: fluent; English: professional; Chinese: native;
French: basic Python: professional; c++: fluent;
R: fluent; SQL: fluent; JavaScript: basic
German Drivers License B

Scholarship & Awards

Erasmus Mundus Scholarship: ~ 36,000 Euro
Travel Award Rhizosphere 5: 1,500 CAD
National Bachelor Innovation Fund: 20,000 RMB

Hobbies

Smart Home, Reading, Artificial Intelligence,

