

## Nabila Lichiheb, Ph.D.

### Selected Publications

**Lichiheb N**, Myles L, Personne E, Heuer M, Buban M, Nelson A.J, Koloutsou-Vakakis S, Rood M.J, Joo E, Miller J and Bernacchi C., **2018**. Evaluation of ammonia bi-directional fluxes in a fertilized Zea mays field: Implementation of an operational parameterization of emission potentials and modeling of the urease inhibitor effect. *Agricultural and Forest Meteorology*. In review.

Nelson A.J, **Lichiheb N**, Koloutsou-Vakakis S, Rood M.J, Heuer M, Myles L, Joo E, Miller J, B and Bernacchi C., **2018**. Ammonia Flux Measurements above a Corn Canopy using Relaxed Eddy Accumulation and a Flux Gradient System. *Agricultural and Forest Meteorology*. In press.

**Lichiheb N**, Personne E, Bedos C, Van den Berg F and Barriuso E., **2016**. Implementation of the effects of physicochemical properties on the foliar penetration of pesticides and its potential for estimating pesticide volatilization from plants. *Science of the Total Environment* 550: 1022-1031.

**Lichiheb N.**, **2016**. Volatilisation des pesticides depuis les plantes: approche expérimentale et modélisation. *Pollution atmosphérique, numéro spécial*.

**Lichiheb N**, Bedos C, Personne E, Benoit P, Bergheaud V, Fanucci O, Bouhlef J, Barriuso E., **2015**. Measuring leaf penetration and volatilization of chlorothalonil and epoxiconazole applied on wheat leaves in a laboratory scale experiment. *Journal of Environmental Quality* 44:1782–1790.

**Lichiheb N**, Bedos C, Personne E et Barriuso E., **2015**. Synthèse des connaissances sur le transfert des pesticides vers l’atmosphère par volatilisation depuis les plantes. *Pollution atmosphérique* 224.

**Lichiheb N**, Personne E, Bedos C and Barriuso E., **2014**. Adaptation of a resistive model to pesticide volatilization from plants at the field scale: Comparison with a dataset. *Atmospheric Environment* 83: 260-268.

### Selected Talks

**Lichiheb N.**, **2018**. Measuring atmospheric carbon and nitrogen fluxes over coastal salt marsh. Delaware National Estuarine Research Reserve. St Jones reserve. Delaware.

- Myles L, **Lichiheb N**, Heuer M, Buban M, Nelson A.J, Koloutsou-Vakakis S, Rood M.J., **2017**. Investigating the processes of ammonia exchanges between the atmosphere and a corn canopy following Urea Ammonium Nitrate (UAN) fertilization with urease inhibitor NBPT. AGU. New Orleans.
- Lichiheb N**, Myles L, Personne E, Heuer M, Buban M., **2017**. Evaluation of ammonia air-surface exchange at the field scale: Improvement of soil and stomatal emission potential parameterizations. NADP. San Diego.
- Lichiheb N**, Myles L, Personne E, Heuer M, Buban M., **2017**. Evaluation of ammonia air-surface exchange at the field scale. ACS. Washington, DC.
- Lichiheb N**, Bedos C, Personne E, Van den Berg F and Barriuso E., **2014**. Modelling pesticide volatilization from plants at the field scale: comparison of SURFATM and PEARL models. IUPAC. San Francisco.
- Lichiheb N**, Personne E, Bedos C and Barriuso E., **2013**. Development and validation of a mechanistic pesticide emission model at the field scale: toward a tool for evaluating the sources of atmospheric contamination by pesticides. Pesticides Behaviour in Soils, Water and Air. York (UK).
- Lichiheb N**, Personne E, Bedos C and Barriuso E., **2013**. Développement et validation d'un modèle mécaniste de volatilisation des pesticides. Journée doctorant Air de l'ADEME. Paris (France).
- Bedos C, Personne E., **Lichiheb N.**, Magandji-Douckagha G., Barriuso E., **2011**. Modelling Pesticide volatilization from crop at the field scale. XIII Symposium Pesticide Chemistry. Piacenza (Italy).