

# CURRICULUM VITAE

Jude Lubega Musuuza  
jude.musuuza@smhi.se, Tel.: +46 11 4958396

## WORK EXPERIENCE

Jan 2019 to-date     Researcher, SMHI Norrköping, Sweden  
Mar 2018-Dec 2019    Postdoc, SMHI Norrköping, Sweden  
Sep 2014-Oct 2017    Postdoctoral Research Associate, The University of Bristol, UK.  
Jan 2011-Aug 2014    Scientist at the UFZ<sup>1</sup>, Leipzig and the FSU<sup>2</sup> Jena, Germany.  
Aug 2007-Dec 2010    Research Assistant at the FSU Jena, Germany.  
Mar 2007-Aug 2007    Remediation Engineer, Pollution Control Engineers Plc.  
Mar 2001-Aug 2004    Engineering Supervisor Kinyara Sugar Works Ltd.

## EDUCATION

Aug 2007-Dec 2010    Doctoral Research at FSU Jena, Germany.  
Sep 2004-Mar 2007    M.Sc., Water Resources Engineering and Management, Universität Stuttgart, Germany.  
Sep 1996-Jun 2000    B.Sc., Engineering, Makerere University, Kampala Uganda.

## SELECTED PUBLICATIONS

- Musuuza, J. L.**, Crochemore, L., Pechlivanidis, I., (2023): *Evaluation of Earth Observations and In Situ Data Assimilation for Seasonal Hydrological Forecasting*. *Wat. Resour. Res.*, 59(4), doi: 10.1029/2022WR033655
- Musuuza, J.L.**, Gustafsson, D., Pimentel, R., Crochemore, L., Pechlivanidis, I. (2020): *Impact of Satellite and In Situ Data Assimilation on Hydrological Predictions*. *Remote Sens.*, 12(811). doi:10.3390/rs12050811
- Hundecha, Y., Arheimer, B., Berg, P., Capell, R., **Musuuza, J.**, Pechlivanidis, I., Photiadou, C., (2020): *Effect of model calibration strategy on climate projections of hydrological indicators at a continental scale*, *Climate Change*, 163, doi:10.1007/s10584-020-02874-4
- Kumar, R., **Musuuza, J. L.**, Van Loon, A.F., Teuling, A.J., Barthel, R., Ten Broek, J., Mai, J., Samaniego, L., Attinger, S. (2015): *Multiscale evaluation of the Standardized Precipitation Index as a groundwater drought indicator*. *Hydrol. Earth Syst. Sci. Diss.* 12 (8), 7405 - 7436.
- Cuntz, M., Mai, J., Zink, M., Thober, S., Kumar, R., Schäfer, D., Schrön, M., Craven, J.R., Rakovec, O., Spieler, D., Prykhodko, V., Dalmasso, G., **Musuuza, J.**, Langenberg, B., Attinger, S., Samaniego, L. (2015): *Computationally inexpensive identification of noninformative model parameters by sequential screening*. *Water Resour. Res.* 51 (8), 6417 - 6441.
- Musuuza, J. L.**, Attinger, S. and Radu, F. A. (2009): *An Extended Stability Criterion for Density-driven Flows in Homogeneous Porous Media*. *Adv. Wat. Resour.*, doi: 10.1016/j.adwatres.2009.01.012.
- Musuuza, J. L.**, Radu, F. A. and Attinger, S. (2011): *The Effect of Dispersion on the Stability of Density-driven Flows in Saturated Homogeneous Media*. *Adv. Wat. Resour.*, doi: 10.1016/j.adwatres.2010.11.008
- Musuuza, J. L.**, Radu, F. A. and Attinger, S. (2011): *The Stability of Density-driven Flows in Saturated Heterogeneous Media*. *Adv. Wat. Resour.*, doi: 10.1016/j.adwatres.2011.07.005
- Musuuza, J. L.**, Radu, F. A. and Attinger, S. (2012): *Predicting predominant thermal convection in thermal flows in saturated porous media*. *Adv. Wat. Resour.*, doi: 10.1016/j.adwatres.2012.07.020

<sup>1</sup> Helmholtz Umweltforschungszentrum; <sup>2</sup>Friedrich-Schiller-Universität