

# Dr Yatat Valaire

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I am an Applied mathematician who currently works as a researcher and lecturer at the National Advanced School of Engineering (Polytechnic School) of the University of Yaoundé 1, in Cameroon. I completed my PhD doctorate in Applied Mathematics at the University of Yaoundé 1, Cameroon in 2018. My research deals with the development and the study of mathematical models that rely on Ordinary Differential Equation, Impulsive Differential Equation, Partial Differential Equation and Impulsive Partial Differential Equation. The proposed models address issues in Ecology (dynamics of vegetation mosaics, dynamics of fire-prone savannas) and in Epidemiology (dynamics and control of vector-borne infectious diseases). I am also a former Post-doctoral fellow at the Department of Mathematics and Applied Mathematics of the University of Pretoria. Finally, I received, in 2016, the IBNI Prize as the best young Central and West African Mathematician.



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