

Personal Details

Name: Patrice
Surname: Ndambomve
Date of Birth : 4th October, 1986
Place of Birth : Bagam
Marital status : Married
Nationality: Cameroonian
Languages: English and French
Sex: Male

Education

Sept 2021–Oct 2021: **Certificate of Completion**
Python for Data Science and Machine Learning Bootcamp, Udemy.

May 2021–June 2021: **Certificate of Completion**
Exploratory Data Analysis with MatLab, Coursera.

Jan 2012–Feb 2016: **PhD in Pure and Applied Mathematics**
African University of Science and Technology (AUST), Abuja, Nigeria.
Thesis Title: *Contributions to the Control Theory of some Partial Functional Integro-differential Equations in Banach Spaces.*
Thesis Supervisor: Prof. Khalil Ezzinbi

July 2010–Dec 2011: **Master of Science Degree in Pure and Applied Mathematics,**
African University of Science and Technology, Abuja, Nigeria.
Thesis: *Evolution Equations and Applications in Banach Spaces,*
Supervisor: Dr. Guy Degla

Oct 2006–July 2009: **Bachelor of Science Degree in Mathematics,** University of Buea, Cameroon.

Scholarships and Awards

Jan 2014: African Development Bank (AfDB) Scholarship,
For the need of High-Level Expertise in Science and Engineering in Sub-Saharan Africa.

- Jan 2012:** African University of Science and Technology, Abuja, Ph.D. Scholarship.
- July 2010:** Dr Ngozi Okonjo-Iweala Post Graduate Scholarship in Mathematics, Tenable at AUST.

Fields of Interest

Differential Equations and Dynamical Systems, Nonlinear Analysis, Control Theory, Neural Networks.

Research Interests

Functional Differential Equations, Controllability of Dynamical Systems, Nonlinear Operator Theory, Optimization, Optimal Control with Neural Networks.

Teaching Experience/ Qualifications

- May 2019–Present:** Senior Lecturer of Mathematics, University of Buea, Cameroon.
- October 2016–Present:** Part-time Lecturer of Mathematics, University of Bamenda, Cameroon.
- October 2019–Present:** Part-time Lecturer of Mathematics, School of Engineering and Applied Sciences, (SEAS) Institut Universitaire de la Côte, Douala, Cameroon.
- Feb 2018–May 2019:** Assistant Lecturer of Mathematics, University of Buea, Cameroon.
- March 2016–Feb 2018:** Senior Instructor of Mathematics, University of Buea, Cameroon.
- July 2017–April 2021:** Part-time Lecturer of Mathematics, School of Engineering, Catholic University Institute of Buea , Cameroon.
- Oct 2012–Feb 2016:** Mathematics Lecturer II, Nile University of Nigeria, Abuja, Nigeria.
- Jan 2012–Feb 2016:** Teaching/Research Assistant, Mathematics Institute, African University of Science and Technology, Abuja, Nigeria.

Publications/Research articles

- **Patrice Ndambomve**, Moussa El-Khalil Kpoumie and Khalil Ezzinbi, *Approximate Controllability Results in α -norm for some Partial Functional Integrodifferential Equations with Nonlocal Initial Conditions in Banach Spaces*, Journal of Applied Analysis Vol.29 (1), (2023), (Accepted to appear).
- Shu Felix Che and **Patrice Ndambomve**, *On Existence and Controllability Results for some Cylindrical Stochastic Integrodifferential Equations in Frechet Spaces*, *Discussiones Mathematicae Differential Inclusions, Control and Optimization* 41 (2021) 1-21; <https://doi.org/10.7151/dmdico.1228>
- **Patrice Ndambomve** and Khalil Ezzinbi, *Controllability for some nonlinear impulsive partial functional integrodifferential systems with infinite delay in Banach spaces*, *Open J. Math. Anal.* 2020, 4(2), 104-115; doi:10.30538/psrp-oma2020.0069 .

- **Patrice Ndambomve** and Khalil Ezzinbi, *On the Approximate Controllability for some Semilinear Partial Functional Integrodifferential Equations with unbounded Delay*, LE MATEMATICHE, Vol. LXXIV (2019) - Issue II, pp. 337-362, doi: 10.4418/2019.74.2.8
- Moussa El-Khalil Kpoumie, Abdel Hamid Gamal Nsangou, **Patrice Ndambomve**, Issa Zabsonre, Salifou Mboutngam, *Existence of solutions for some nonautonomous partial functional differential equations with state-dependent delay*, SeMA (2019). <https://doi.org/10.1007/s40324-019-00206-w>.
- Khalil Ezzinbi and **Patrice Ndambomve**, *On the solvability and Optimal Control of some Partial Functional Integrodifferential Equations with Infinite Delays in Banach Spaces*, Commun. Optim. Theory 2018 (2018), Article ID 21
- **Patrice Ndambomve** and Khalil Ezzinbi, *On the Controllability for some Nonlinear Partial Functional Integrodifferential Equations with finite Delay in Banach Spaces*, (**Differ. Equ. Dyn. Syst.**, (2017), 1-16, DOI: 10.1007/s12591-017-0386-2).
- Khalil Ezzinbi and **Patrice Ndambomve**, *Solvability of some partial functional integrodifferential equations with finite delay and optimal controls in Banach spaces*, SpringerPlus (2016) 5:1264, DOI: 10.1186/s40064-016-2896-8.
- Khalil Ezzinbi and **Patrice Ndambomve**, *Partial Functional Integrodifferential Equations and Optimal Controls in Banach spaces*, Commun. Optim. Theory 2016 (2016), Article ID 1.
- Khalil Ezzinbi and **Patrice Ndambomve**, *On the Controllability of some Partial Functional Integrodifferential Equations with infinite delay in Banach Spaces*, Advances in Fixed Point Theory, Vol. 6, No 1(2016), 24-42 .
- C.E. Chidume, M.E. Okpala, A.U. Bello and **P. Ndambomve**, *Convergence theorems for finite family of a general class of multi-valued strictly pseudo-contractive mappings*, Fixed Point Theory and Applications, (2015) 2015:119, DOI 10.1186/s13663-015-0365-7.
- C.E. Chidume, A.U. Bello, M.E. Okpala, **P. Ndambomve**, *Strong Convergence Theorem for Fixed Points of Nearly Uniformly L-Lipschitzian Asymptotically generalized Hemicontractive Mappings*, International Journal of Mathematical Analysis, Vol. 9, 2015, no. 52, 2555-2569.
- C. E. Chidume, **P. Ndambomve**, A. U. Bello, *The split equality fixed point problem for demi-contractive mappings*, Journal of Nonlinear Analysis and Optimization, Vol. 6, No. 1, (2015), 61-69.
- Khalil Ezzinbi , Guy Degla and **Patrice Ndambomve**, *Controllability for some Partial Functional Integrodifferential Equations with Nonlocal Conditions in Banach Spaces*, Discussiones Mathematicae, Differential Inclusions, Control and Optimization 35 (2015) 25-46 doi:10.7151/dmdico.1167.
- C. E. Chidume, **P. Ndambomve**, A. U. Bello, M. E. Okpala, *The multiple-sets split equality fixed point problem for countable families of multi-valued demi-contractive mappings*, International Journal of Mathematical Analysis, Vol. 9, 2015, no. 10, 453 - 469.
- C. E. Chidume, A. U. Bello, **P. Ndambomve**, *Strong and Δ -convergence theorems for common fixed points of a finite family of multivalued demicontractive mappings in $CAT(0)$ spaces*, Abstract and Applied Analysis, Volume 2014, Article ID 805168.

Some Lectures, Seminars and Conferences Attended

- 33rd Annual Conference of the Nigerian Mathematical Society (NMS), African University of Science and Technology, Abuja, May 27-May 30, 2014. (Short presentation)

- International conference on Mathematical Analysis and Optimization, University of Lagos, Lagos, March 12-March 14, 2014. (Short presentation)
- 8th Pan African Congress of Mathematicians (PACOM), National Mathematical Center, Abuja, June 30-July 8, 2013.
- School on Partial Differential Equations, Differential Geometry, Numerical Analysis and Nonlinear Operator Theory, Mathematics Institute, African University of Science and Technology, Abuja, November 18-December 8, 2013.

Hobbies

Reading, Swimming, Playing Badminton

References

- Dr. Nana Cyrille
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- Prof. Khalil Ezzinbi
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