

# Curriculum Vitae

## 1. PERSONAL INFORMATION

**Name:** Benyam Mebrate Eshete(PhD)

**Sex:** Male

## 2. QUALIFICATION BACKGROUND

- **First degree(BED):** Bahir Dar University, Ethiopia
- **Second degree (MSc):** Bahir Dar University, Ethiopia
- **Third degree (PhD):** Hawassa University, Ethiopia  
Thesis advisor: Prof. Ahmed Mohammed, Ball state university, USA.

## 3. TRAINING CERTIFICATE

- Introduction to Computer: Microsoft windows, Microsoft word, Microsoft access, Microsoft power point, Spread sheet management, Hardware and software maintenance.
- HDP(Higher diploma program) in teaching mathematics.
- Hands-on-training on solving differential equations in engineering science.

## 4. CURRENT POSITION

Assistant professor of Mathematics (Ph.D in Mathematics)

## 5. RESEARCH INTEREST

Differential equations, Numerical solution of differential equations and Mathematical Modeling.

## 6. EXPERIENCE

- **2006-2010:** Instructor II in Burie Technical college
- **2011 – 2014:** Lecturer in Woliata Soddo University

- **2015 up to now:** Lecturer in Wollo University
- **April 19, 2019 up to now** Assistant Professor of Mathematics in Wollo University

## 7. UNIVERSITY COMMITTEE APPOINTMENTS

- Department Council (DC) member
- Graduate Department Committee(GDC) member
- Department Seminar organizing Committee member
- College discipline committee member
- College research committee member

## 7. PUBLICATIONS

My publications are listed in Table (1), next page. The published articles are attached to the present application, and can also be found in the following websites.

- **Google scholar**  
<https://scholar.google.com/citations?user=JHPdZhwAAAAJ&hl=en>
- **Researchgate:** <https://www.researchgate.net/profile/Benyam-Mebrate>
- **Scopus author ID:** 57204970280  
<https://www.scopus.com/authid/detail.uri?authorId=57204970280>
- **Mathematical Reviews(mathscinet) ID:** 1335726  
<http://www.ams.org/mathscinet/MRAuthorID/1335726>
- **ORCID:** <https://orcid.org/000-0001-9202-2052>
- **Web of science ID:** AAA-5036-2021  
<https://publons.com/researcher/AAA-5036-2021/>
- **Publons:** <https://publons.com/researcher/3538233/benyam-mebrate/>

Table 1: Articles

No	Articles	
1	Infinity-Laplacian type equations and their associated Dirichlet problems <a href="https://doi.org/10.1080/17476933.2018.1544632">https://doi.org/10.1080/17476933.2018.1544632</a>	Published
2	A boundary-value problem for normalized Finsler infinity-Laplacian equations with singular nonhomogeneous terms <a href="https://doi.org/10.1016/j.na.2019.111588">https://doi.org/10.1016/j.na.2019.111588</a>	Published
3	Comparison principles for infinity-Laplace equations in Finsler metrics <a href="https://doi.org/10.1016/j.na.2019.111605">https://doi.org/10.1016/j.na.2019.111605</a>	Published
4	Harnack inequality and an asymptotic mean-value property for the Finsler infinity-Laplacian <a href="https://doi.org/10.1515/acv-2018-0083">https://doi.org/10.1515/acv-2018-0083</a>	Published
5	Sensitivity and mathematical model analysis on secondhand smoking tobacco <a href="https://doi.org/10.1186/s42787-020-00108-1">https://doi.org/10.1186/s42787-020-00108-1</a>	Published
6	Finsler infinity superharmonic functions <a href="https://doi.org/10.28919/jmcs/5908">https://doi.org/10.28919/jmcs/5908</a>	Published
7	On solutions to iterative differential equations <a href="https://doi.org/10.37418/amsj.10.4.20">https://doi.org/10.37418/amsj.10.4.20</a>	Published
8	Meshless and Homotopy Perturbation Methods for One Dimensional Inverse Heat Conduction Problem with Neumann and Robin Boundary Conditions <a href="https://doi.org/10.14317/jami.2022.675">https://doi.org/10.14317/jami.2022.675</a>	Published
9	Semi Implicit Scheme of Fisher Equation Based on Crank-Nicolson Method and Method of Lagging. <b>Palestine Journal of Mathematics. Vol. 11(3)(2022) , 536–548</b>	Published
10	Sensitivity and mathematical model analysis of smoking with health education effect <a href="https://doi.org/10.28919/cmbn/6831">https://doi.org/10.28919/cmbn/6831</a>	published
11	Numerical solution of a one dimensional heat equation with Dirichlet boundary conditions <b>doi: 10.11648/j.ajam.20150306.20</b>	Published
12	Numerical solution of a two dimensional poisson equation with Dirichlet boundary conditions <b>doi: 10.11648/j.ajam.20150306.19</b>	Published
13	A fractional model for the dynamics of smoking using Caputo-Fabrizio derivative	<b>submitted</b>
14	Convexity property of Finsler infinity harmonic functions	<b>submitted</b>
15	Non-autonomous overdetermined problems for the normalized $p$ -Laplacian	<b>submitted</b>

## 7. REFERENCES

- Prof. Ahmed Mohammed: Ball State University, USA: Email **amohammed@bsu.edu**
- Prof. Antonio Greco: University of Cagliari, Italy: Email **greco@unica.it**
- Prof. Lucio Cadeddu: University of Cagliari, Italy: Email **cadeddu@unica.it**
- Dr. Zerihun Kinfe: Hawassa University, Ethiopia: Email **zerie96@gmail.com**
- Prof. G. Porru: University of Cagliari, Italy: **Email porru@unica.it**

I certify that I have fulfilled the above curriculum vitae truthfully completed it to the best of my knowledge.