



Inspiring Innovation and Leadership

KARATINA UNIVERSITY

STAFF PROFILE



1. **Name:** Dr. Daniel Ochieng' Achola
2. **Designation:** Lecturer
3. **Employment details**

School: Pure and Applied Sciences

Department: Mathematics, Statistics and Actuarial Sciences

4. **Contact Information**

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5. **Biodata**

Dr. Daniel Achola is a lecturer in the School of Pure and Applied Sciences and is currently the Head of Department of Mathematics, Statistics and Actuarial Science. Achola is a holder of both Doctor of Philosophy and Master of Science from Maseno University and Bachelor of Education from University of Nairobi. Dr. Achola has over ten years of working experience in academia with interest in Differential equations, Numerical Analysis and Mathematical Modeling. He has also published peer reviewed articles on disease modeling,

stochastic growth models, and hybrid cryptographic election models. Dr. Achola has attended Conferences and workshops. He is also a master trainer in Competency Based Curriculum.

6. **Area/ Field of specialization:** Applied Mathematics

7. **Research interests:** Differential equations, Numerical Analysis and Mathematical Modeling

8. **Peer-reviewed Publications**

- N. Calvet, D. Ambogo and D.O. Achola (2022) Effects of Social Media in controlling Tungiasis. Asian Research Journal of Mathematics ISSN:2456-477X 18(7) 32- 46
Doi.109734/ARJOM/2022/v/18i730388
- D.O. Achola (2022)Containing SARs COV2 (COVID 19) Through Social Distancing Asian Research Journal of Mathematics ISSN: 2456-477X 18(6) 43-61
Doi.109734/arjom/2022/v/18i630383
- D.O. Achola (2020) Extinction Growth Models
Asian Research Journal of Mathematics ISSN:2456 - 477X 16(8) 93- 107
Doi.109734/arjom/2020/v/16i830212