

## DEPARTMENT OF CURRICULUM AND EDUCATIONAL MANAGEMENT



**Name of Staff:** Prof. Mbuthia Ngunjiri

**Designation/Rank:** Associate Professor

**Department:** Curriculum and Educational Management.

**School:** Education

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### **A Educational Background/Qualification**

1. PhD in Mathematics Education, Banaras Hindu University, India (2012)
2. Master of Education in Curriculum and Instruction, Queens University, Canada (1987)
3. Master of Education in Mathematics Education, Kenyatta University, Kenya (1985).
4. Bachelor's Degree in Mathematics, University of Nairobi, Kenya (1990)
5. High School Certificate, e.g., KSCE or any other equivalent) School, Country (Year)
6. EAACE, Njiris High School, Kenya (1976)
7. EACE, Dagoretti High School (1974)
8. CPE, Ndundu Primary School, Kenya (1970)

### **B Brief Auto-biography**

Prof. Ngunjiri is a dedicated Senior Lecturer with over 34 years of experience teaching at the university level. He is passionate about helping students achieve their full potential and is committed to providing a supportive learning environment. Prof. Ngunjiri is also an accomplished researcher and has published numerous articles in top-tier academic journals.

### **C Areas of Specialization**

1. Mathematics Education
2. Research Methods
3. Statistical Methods

### **D Research Interest**

Mathematics Education

## **E All Publications**

### ***Book Publications***

1. Mbuthia Ngunjiri (2022). General pedagogy for all seasons: Theory into practice. Scholars Press (In print)
2. Mbuthia Ngunjiri (2020). Statistical Methods: Theory to practice. Lambert Academics Publishing, ISBN: 978 – 620 – 2 – 67667 – 0.
3. Mbuthia Ngunjiri (2018). Motivation to learn among secondary school students. Scholars Press, ISBN: 978 – 613 – 7 – 98887 – 0

### ***Journal Articles***

1. **Ngunjiri, M.** (2022). Individual differences and instruction in mathematics. International Journal of Advanced Research, 5(1), 84 – 88. ISSN: 2707 – 7810.
2. Kang'ara, M.W., **Ngunjiri, M.**& Ndichu,S.(2020). Influence of social factors on pupils' transition rate from public primary to secondary schools in Kinangop Sub- County, Kenya. International Journal of Humanities and Social Studies, 8(4), 111-1. ISSN: 2321-9203.
3. **Ngunjiri, M.** (2020).Teachers' self-efficacy as a predictor of students' motivation to learn mathematics among secondary school students in Laikipia County, Kenya. International Journal of Humanities and Social Studies, 8(6), 32-3.ISSN: 2321-9203
4. **Ngunjiri, M.** (2020).Attitudes towards mathematics as a predictor of students' motivation to learn mathematics among high school students in Laikipia County, Kenya. International Journal of Research and Innovation in Applied Science, ISSN: 2454-6194.
5. **Ngunjiri, M.** (2020).Teaching and learning resources as a predictor of students' motivation to learn mathematics among secondary school students in Laikipia County, Kenya. International Journal of Humanities and Social Studies, 8(10), 302-305. ISSN: 2321-9203.
6. **Ngunjiri, M.** (2020). The influence of teacher- students' interaction on motivation to learn mathematics among high school student in Laikipia County, Kenya. American Journal of Educational Research and Reviews, 5( 78),1-6. ISSN: 2474-9265.
7. **Ngunjiri, M.** (2020).The influence of teachers' use of resources on students' attitudes towards mathematics among secondary school students. International Journal of Research and Innovation in Social Science, 4(4), 40-43.ISSN: 2454-6186.

8. **Ngunjiri ,M.** (2020).The influence of gender and self- efficacy beliefs on students’ motivation to learn high school mathematics in Laikipia County, Kenya. *International Journal of Research and innovation in Applied Science*, 5(9), 160-163.ISSN: 2454-6194.
9. **Ngunjiri, M.** (2020). Self-efficacy beliefs as a predictor of attitudes towards mathematics among secondary school students in Laikipia County, Kenya, *African Research Journal of Education and Social Sciences*,7(2),144-152. ISSN: 2312-0134.
10. Kamunge , S., **Ngunjiri, M.**, Mukadi, E.B.(2020)..School type influence on the levels of stress among the secondary school administrators in Nakuru County, Kenya. *European Journal of Educationa Studies*, 7(12), 154-166.ISSN; 2501-1111.
11. Kamunge , S., Mukadi,E.B.,**Ngunjiri, M.**(2020).Occupational demand and the level of stress among the secondary school administrators in Nakuru County, Kenya. *The International Journal of Humanities and Social Studies*, 8(10),40-45. ISSN: 2321-9203.
12. Wepukhulu, V., Kanjogu, J.K., **Ngunjiri, M.** (2019). Principals’ perception of challenges undermining effective implementation of free secondary education in Likuyani sub- county, Kenya. *European Journal of Educational Studies*, 6(6)137-145. ISSN: 2501-1111.
13. Matumbei, J.N., **Ngunjiri, M.**, Ngugi,M.(2019).Challenges affecting effective implementation of inclusive education policy in public primary schools in Kitale township, Kenya. *Journal of Advances in Education and Philosophy*, 2(5),422-432.ISSN:2523-2223
14. Chemnjor, C., **Ngunjiri, M.**, & Nyambura,R.(2019). Coping with homo-bullying in secondary schools in Nakuru county,Kenya. *Researchjournali’s Journal of Education* ,7(6),23-35. ISSN :2347-8225.
15. Mureithi, L.W., Barasa, E, & **Ngunjiri, M.**(2019). Impact of counseling programme on substance use among female undergraduate students in universities in Nairobi County, Kenya. *Nairobi Journal of Humanities and Social Sciences*.3(2),88-102.ISSN:2520-4009.
16. Mureithi, L.W., Barasa, E, & **Ngunjiri, M.**(2019). Evaluating the impact of awareness programme on substance use among female undergraduates in universities in Nairobi County, Kenya. *International Journal of Research and Scholarly Communication*, 2(2),31-92. ISSN :2415-6946.
17. Muraguri,W.R.,Barasa,E.,& **Ngunjiri, M.**(2019).Teachers’ gender and perception of the rights of children in guidance and counselling programme among public primary schools in East Pokot

- sub- county ,Baringo county, Kenya. International Journal of Scientific and Engineering Research, 10(9),880-893.ISSN:2229-5518.
18. Muraguri ,W.R.,Barasa,E.,& **Ngunjiri, M.**(2019). Teachers' awareness of the rights of the child and its influence on the perception of the rights of children in guidance and counseling programme among public primary schools in East Pokot sub- county ,Baringo county, Kenya. International Journal of Scientific and Engineering Research,10(10),1018-1033.ISSN:2229-5518.
  19. Waiya,L.W.M., **Ngunjiri, M.**, & Barasa, E.(2019). The mediating influence of games teachers motivation on the relationship between instructional related stress and students athletes' track performance in secondary schools in Nakuru county, Kenya. International Journal of Academic Research and Development, 4(5),90-97. ISSN: ISSN 2455-4197.
  20. Waiya, L, W. M., Barasa,E. M., &**Ngunjiri, M.**(2019). The moderating influence of quality counseling on the relationship between stress coping strategies adopted by students athletes and students athletes track performance in secondary schools in Nakuru county, Kenya. International Journal of Business and Management, 7(9),192-200. ISSN:2321-8916.
  21. Mwangi, P.M., Kanjogu,J., &**Ngunjiri M.**(2018). Influence of cultural factors on pupils' transition from primary to secondary schools in Laikipia West sub-county, Kenya. International Journal of Scientific Research and Management,6(10),701-710.ISSN:2321-3418.
  22. Ndekei, J.N.& **Ngunjiri,M.** (2018). Effect of using the embedded mathematics language factor teaching strategy during instruction on learners' understanding of mathematics in secondary schools in Nakuru county, Kenya. International Journal of Social Science and Economic Research, 6(4), 382-399. ISSN:2348-3164
  23. Mbatia,J.W., **Ngunjiri, M.**, & Mwebi,R. (2018). Influence of cultural factors on pupils transition rate from primary to secondary schools in Nakuru county, Kenya. International Journal of Social Science and Humanities Research, 3(7), 2853-2862. ISSN:2455-8834.
  24. Mbatia,J.W., **Ngunjiri, M.**, & Mwebi,R.(2018). Influence of school based factors on pupils transition from primary to secondary schools in Nakuru county, Kenya. International Journal of Social Science and Economic Research, 3(7), 2843-2852. ISSN:2455-8834
  25. Mwaniki,G.S.K., Kanjogu,J., & **Ngunjiri, M.** (2018).Relationship between parents' attitude towards their children's education and level of students' discipline in public secondary schools

- in Naivasha sub-county, Kenya. *International Journal of Scientific Research and Management*, 282-291. ISSN: 2321-3418.
26. . Mwaniki, G.S.K., Kanjogu, J., & **Ngunjiri, M.** (2018). Relationship between teacher commitment to students learning needs and level of students' discipline in public secondary schools in Naivasha sub-county, Kenya. *International Journal of Scientific Research and Management*, 6(4), 274-281. ISSN: 2321-3418.
  27. Mwangi, P.M., Kanjogu, J., & **Ngunjiri, M.** (2018). Influence of community factors on pupils' transition from primary to secondary schools in Laikipia West sub-county, Kenya. *International Journal of Social Science and Economic Research*, 1(8), 1216-1226. ISSN: 2455-8834.
  28. Mbacho, N.W. & **Ngunjiri, M.** (2016) Effect of jigsaw cooperative learning strategy on students' mathematics achievement in secondary schools in Nakuru county, Kenya. . *International Journal of Social Science and Economic Research*, 1(8), 1174-1189. ISSN: 2455-8834.
  29. **Mbuthia Ngunjiri** (2015). The Problem solving processes in mathematics. *International Journal of Social Science and Economic Research*, 2(2), 2297-2402. ISSN: 2455-8834.
  30. **Mbuthia Ngunjiri** (2015). The role of examples in learning of mathematics. *Shodh Drishti- An International Refereed Journal* 6(3), 133-136, 2015. ISSN: 0976-6650
  31. **Mbuthia Ngunjiri** (2015). Teaching mathematics effectively: What works. *Interdisciplinary Journal of Contemporary Research*, 2 (1), 55-60. ISSN: 2393-8358.
  32. **Mbuthia Ngunjiri** (2015). Language and the learning of mathematics. *Anukriti-An International Refereed Research Journal* ,5(3) , 1-6. ISSN: 2250-1193
  33. Kanjogu, J., **Ngunjiri, M.** & Maina, M. (2014). Relationship between teacher supply, parental support and education in Kenya. *International Journal of Humanities Social Sciences and Education*, 1(9), 40-45. ISSN: 2349-0381
  34. **Mbuthia Ngunjiri** (2012). Self-Concept: Its Relation with student outcomes in mathematics. *Journal of All Research*, 3(3) , 241-246. ISSN: 0976-6650
  35. **Mbuthia Ngunjiri** (2012). Problem solving in mathematics. *Journal of Indian Cultural, Social and Philosophical Stream*, Vol XIII, III. ISSN: 0973-8762
  36. **Mbuthia Ngunjiri** (2012). Teacher Self-Efficacy-Its relation with instructional student outcomes. *The Opinion*, 1(1), 11-14. ISSN: 2277-9124

37. **Mbuthia Ngunjiri & P.N. Singh** (2012). The Relationship between students' motivation to learn and teachers' self-efficacy in mathematics among secondary school students in Nakuru county, Kenya. *Journal of Indian Cultural, Social and Philosophical Stream*,23, 33-42. ISSN:8762.
38. **Mbuthia Ngunjiri & P.N. Singh** (2012). The Relationship between students' motivation to learn and self-efficacy in mathematics among secondary school students in Nakuru county, Kenya. *Journal of All Research*, 3(1), 188-193. ISSN: 0976-6650
39. **Mbuthia Ngunjiri & P. N. Singh** (2012). The Relationship between students' motivation to learn and self-concept in mathematics among secondary school students in Nakuru county, Kenya. *An International Multidisciplinary Research Journal*, 2(5), 143-148. ISSN: 2250-1193
40. **Mbuthia Ngunjiri** (2012) The Role of Discovery in the Learning of Mathematics. *Journal of All Research*, 3(5), 199-202. ISSN: 0976-6650
41. **Mbuthia Ngunjiri** (2012). Self- Efficacy-Helping struggling students. *An International Multidisciplinary Research Journal*, 2(3), 189-199. ISSN: 2250-1193.

#### **F Project/Thesis Supervision**

1. Samuel Kamunge LM21/1150/14, PhD School based factors, stress levels and psychological interventions among public secondary school administrators in Nakuru County, Kenya, Graduated in 2021
2. Monicah W. Kangara LDG32/1398/17 MEd Influence of social factors on pupils' transition rate from primary to secondary schools in Kinangop sub-county ,Nyandarua , Kenya Graduated in 2021
3. Rose Nyambura LDS34/1313/12, PhD The influence of sexual orientation on attitude towards biology among secondary school students in Nakuru County ,Kenya Graduated in 2019
4. Lydia W. Waiya LDG32/1395/13, PhD Influence of stressor factors on athletes' performance among secondary school students in Nakuru County, ,Kenya Graduated in 2019
5. Lucy Muriithi LDP33/1154/14, PhD Efficacy of psychosocial intervention programmes on substance use among female undergraduates in universities in Nairobi county, Kenya. Graduated in 2019
6. 6Rose W. Muraguri LDG32/1062/13, PhD Teachers' and pupils' perception of the selected rights of child in guidance and counseling program among primary school pupils in East Pokot Sub-county, Kenya Graduated in 2019

7. Judith Matumbei LM21/1048/13, MEd Factors affecting effective implementation of inclusive education in primary schools in Kitale sub-county, Kenya Graduated in 2019
8. Lydia Namisi LM21/1073/13, MEd Relationship between school factors and pupils performance in primary schools in Webuye sub-county ,Kenya Graduated in 2019
9. Violet Wepukhulu EM16/0840/10, MEd Principals' perception on challenges undermining effective implementation of free secondary education in Likuyani Sub County, Kenya Graduated in 2019
10. Abel M. Nyangena EM16/0785/14, MEd The provision of guidance and counseling services in secondary schools in Gesusu ward ,Masaba Sub- County, Kenya Graduated in November 2018
11. Peter M. Mwangi LDM31/1202/12, PhD Selected cultural, community, school and family factors influencing pupils' transitions from primary to secondary school in Laikipia west sub county Kenya Graduated in November 2018
12. Jane W. Mbatia LDM31/1201/15 PhD, Influence of selected community based factors on pupils' transition from primary to secondary schools in Nakuru North Sub-County, Kenya Graduated in November 2018
13. James N. Ndekei LDM31/1130/14 PhD, Effects of Embedding mathematics language factor teaching strategy on learners understanding and achievement in secondary school mathematics in Nakuru county, Kenya Graduated in November 2018
14. Goodeve S. Mwaniki EM16/0872/10, MEd Influence of home and school based factors on students indiscipline in Secondary schools in Naivasha sub-county Graduated in November 2018
15. Nancy N. Irungu EM16/0834/10 MEd, Influence of ageing on psychosocial well being of the elderly in an urbanizing settlement in Maina village. Nyahururu Town, Kenya Graduated in November 2018
16. Naomi, W. Mbacho PhD, Effects of Jigsaw cooperative learning strategy on students mathematics self- concept and achievement in secondary schools in Laikipia county, Kenya Graduated in November 2017
17. Joseph Wachira EM16/0828/09, MEd The influence of selected factors on teachers' perception on TSC-based Teacher Appraisal system in Nyandarua North Sub-county, Kenya. Graduated in November 2015

18. Waiganjo Peter Gikonyo EM16/0826/09, MEd The influence of selected school characteristics on principles perception on the role of NGO's in enhancing access to secondary education in Laikipia county, Kenya Graduated in November 2015
19. Esther Wakonyo EM16/0873/10, MEd The influence of selected social and economic factors on pupils transition from primary to secondary schools in Kinangop sub-county, Kenya Graduated in November 2015
20. Ruth Kiome EM16/0875/11, MEd Socio-economic factors influencing girl child completion rates in primary schools in Nyandarua South Sub-county, Kenya Graduated in November 2015

## **G Scholarly Presentations at Conferences/Workshops/Seminars**

1. 26<sup>th</sup> January 2022: Facilitator- Pedagogy Workshop, Department of Curriculum and Educational management.
2. 17<sup>th</sup> to 18<sup>th</sup> June 2021: Facilitator- Postgraduate Research Workshop for PhD and Masters students.
3. 15<sup>th</sup> April 2021: Attended Sensitization Workshop for University Deans on Teachers Service Commission's Entry Requirements at KICD.
4. 5<sup>th</sup> August 2020. Facilitator- Postgraduate Students Workshop, Department of Psychology, Counselling and Education Foundation, Laikipia university.
5. 10<sup>th</sup> March 2021: Attended Capacity Building Workshop to enhance Skills in Research, Chuka university, Kenya
6. 9<sup>th</sup> October 2019: Attended the launch of the Guidelines for Mainstreaming of Education for Sustainable Development and Global Citizenship in Universities at KICD.
7. 30<sup>th</sup>-31<sup>st</sup> August 2019: Attended a Workshop on Curriculum Reforms: The role of Universities at Moi university, Kenya.
8. 14<sup>th</sup> to 15<sup>th</sup> August, 2019: Attended the 1<sup>st</sup> consultative forum for Deans of Schools of Education in universities in Kenya at University of Embu.
9. 14<sup>th</sup> – 16<sup>th</sup> March, 2019: Attended the training for universities councils and management by Ministry of Education at Mombasa.
10. 22<sup>nd</sup> February, 2019: Attended a Stakeholders Consultative meeting on Teacher Education Framework at Kenya Institute of Curriculum Development.



11. 25<sup>th</sup> February 2019: Facilitator- Research Methodology Workshop, School of Education, Laikipia University.
12. 28<sup>th</sup> September 2018: Attended a Consultative meeting between Teachers Service Commission and Deans of Schools of Education in Kenyan Universities at KICD.
13. 31<sup>st</sup> January to 2<sup>nd</sup> February, 2019: Attended an ISO Information Security Management Course at Nakuru Campus, Laikipia University.
14. 14<sup>th</sup> to 15<sup>th</sup> June, 2018: Attended a Plagscan user and support training workshop at Nakuru Campus, Laikipia University.
15. 10<sup>th</sup> to 12<sup>th</sup> January, 2018: Attended an ISO Quality Management Course at Nakuru Campus, Laikipia University
16. 12<sup>th</sup> February, 2014: Attended a Pedagogy skills Workshop at Laikipia University
17. 5<sup>th</sup> October 2007: Attended a Student Advising Workshop for Lecturers at Laikipia University.
18. 12<sup>th</sup> November, 2005: Attended a Workshop on Test Development and Administration at Egerton University.
19. 25<sup>th</sup> to 26<sup>th</sup> March,2011: Attended a National workshop on Research Writing at Banaras Hindu University, India.