


Richard M. Wambua

1.1 Personal Profile

1.1.1 Personal Details

<p>Name: Richard M. Wambua Title/Qualification: Mr Department: Educational Psychology Designation/Position: Tutorial Fellow Email: wambua.richard@ku.ac.ke Contact Address: P.O. Box 43844 - 00100 Nairobi, Kenya Area of Specialization: - Educational Statistics & Evaluation - Computer Applications in Behavioural Sciences Research Interests: - Computer-based Assessment - Educational Assessment ORCID ID: https://orcid.org/0000-0002-3699-3396</p>	
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1.1.2 Academic & Professional Qualifications

- PhD (Ongoing) Kenyatta University
- Master of Education (Educational Psychology): Kenyatta University
- Bachelor of Education (Technology): Moi University

1.1.3 Employment History

September 2016 – Present – Tutorial Fellow, Kenyatta University – Department of Educational Psychology, Nairobi

September 2013 – July 2014

Data Management Specialist, Southern and Eastern Africa Consortium for Monitoring Educational Quality (SACMEQ)

August 2009 – July 2013

Principal Research Officer, Kenya National Examinations Council

September 2007 – May 2008

Assistant Lecturer, Aga Khan University - Institute for Educational Development (Eastern Africa)

April 2002 – August 2007

Senior Lecturer: Kenya Technical Teachers College

1994 - 2000

Graduate Teacher, Teachers Service Commission

1.1.4 Achievements

- Innovatively incepting the use of social media application as a teaching and learning tool
- developing an assessment framework for the Ministry of Education, Kenya
- incepting the use of online assessment in high stakes CAT in KU

1.2 Publications

1.2.1 Referred Journals

Wambua, R., Ngumbao, R. (2013). Utilization of Examination Feedback Reports in Kenyan Secondary Schools. *Journal of Educational Assessment in Africa*. 2013, 110 – 118

Makau, D.M., Wambua R.M., & Mwambura S.N. (2012). Academic Achievement Profiles of Primary

Teacher Education (PTE) Candidates with Special Needs. *Journal of Educational Assessment in Africa*, 7, 292 - 298

- Wambua, R., & Ogle, A.M. (2011). Effective Government-University Partnerships: Reflections of Kenya's National Assessment Centre. *Journal of the World Universities Forum*, 4(1), 53 – 63.
- Wasanga, P.M., Ogle, A.M., Wambua, R.M. (2010). *Report on Monitoring of Learner Achievement for Class 3 in Literacy and Numeracy*. Nairobi: Kenya National Examinations Council.
- Wambua, R. (2008). The Role of Higher Education in Regional Integration: The Case of Universities in East Africa. *Journal of the World Universities Forum*, 1(2), 67 - 73.
- Wambua, R. (2008). Computer Based Assessment: Scope and Possibilities for Teacher Development in East Africa. *The African Symposium*. 8(1), 55 – 62.
- Wambua, R. (2008). Efficiency in the Selection of Students in Kenyan Public Universities. *The International Journal of Learning*, 15(10), 183 – 190.
- Wambua, R. (2008). Perceptions of Pre-service Technical Teachers Concerning the Teaching Profession in Kenya. *Eastern Africa Journal of Humanities and Sciences*, 8(1), 35 - 52.
- Wambua R. (2007) The Making of an Engineer: Background Characteristics of Female Engineering Students in Kenyan National Polytechnics. *The International Journal of Learning*, 14(2), 31-39

1.2.3 Conference/Workshops/Seminar Papers

1.2.3.1 Conference Papers

- Wambua, R. (2018). *Test Anxiety, Gender and Subject Specialization as determinants of performance in a computer-based test among Kenyatta University students*. Paper presented at the 5th International Conference on Education and Lifelong Learning, Nairobi, Kenya, 4th – 5th October
- Wambua, R., Ngumbao, R. (2013). *Utilization of Examination Feedback Reports in Kenyan Secondary Schools*. Paper presented at the 31st Association for Educational Assessment in Africa (AEAA). Arusha, Tanzania, 12th – 16th August.
- Wambua, R., Bundu, H., & Masila, C. (2010). *Local Independence of Test Items : Implications for Test item Construction, Selection, and Banking*. Paper presented at the ICTs and Item Selection and Banking in High Stake Examinations in Africa” Research Project Workshop Nairobi, 15th – 20th March.

1.2.3.2 Workshops Papers

- Wambua, R. (2019). *Technical Report on the Kenya Adult Literacy Survey Assessment Framework and Tools*. Paper presented at the KALS Dissemination workshop, Nairobi, Kenya, 7th June.
- Wambua, R. (2014). *Improving Cooperation in Learning Assessment in Africa*. Paper presented at the AU EMIS Restricted Technical Workshop on the Second Decade of Education for Africa. Accra, Ghana, 7 – 9 April.
- Wasanga, P.M., Ogle, A.M., Wambua, R.M. (2010). *National Assessment in Kenya*. Paper presented at the World Bank's Uses and Users of National Assessment Workshop, Cape Town, South Africa, 13th – 15th April.

1.2.3.3 Seminar Papers

- Wambua, R. (2005). *Mediating Critical Thinking in an ICT-Enriched Environment*. Paper presented at the Workshop for Teacher Training College ICT Coordinators. Kenya Technical Teachers College, Nairobi, 28th August – 3rd September 2005.
- Wambua, R. (2003). *Validation of a Selection and Classification Model: A Case Study of the Faculty of Education, Kenyatta University*. Paper presented at the 11th Postgraduate Seminar, Kenyatta

University, Nairobi 13th – 16th October.

1.5 Conferences/Workshops/Seminars Attended

1.5.1 Conferences Attended

- 5th International Annual Conference on Education and Lifelong Learning, October 2018

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1.5.1 Workshops Attended

- Training on Updating of Staff Profiles and Websites , Kenyatta University, 4th March 2019

- Intermediate Rasch Analysis Workshop. University of Leeds, 15 – 17 September 2014

1.5.1 Seminars Attended

-ISO 27001 Information Security Management Systems Training, 5th June 2018

- Digital content development seminar, 18th July 2018

- Kenya Cybersecurity & Ethical hacking seminar, 22-23 June 2017

1.7 Professional/Consultancy (Editor/Peer review in journals, Networks/Collaborations, External Examiner, Patents)

- National Expert for the Development of an assessment framework and tools for UNESCO and the DAE, Ministry of Education, Nov 2016 – June 2017

- Data Analyst for the ICT needs assessment Study for the Ministry of Education, July 2016 – June 2018

1.8 Community Service and Other Engagements

- Member of the Management Board, Malia Children's Home, Machako's County

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1.9 Affiliation of Professional Bodies

- Member, the International Test Commission

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2.0 National and International awards and Recognitions

-Convener of the Education Quality Core Group for the End Decade EFA Assessment - 2011

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2.1 Administrative Positions Held

2.1.1 Recognized university administrative positions

-Unit Coordinator; EPS 400: Educational Statistics & Evaluation

- Convener, Departmental Linkages and Partnerships Committee

- Departmental Website Manager

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2.1.2 Other administrative positions Held

- Treasurer, Departmental Staff Welfare Committee

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