

CURRICULUM VITAE

June 2017

**JOHN MUNGAI KINUTHIA**

BSc (*Civil Eng, Hons*); MSc (*Highways*), PhD (*Civ Eng. Materials*),  
CEng, FICE, MCIHT, SFHEA.

Professor of Innovation and Engagement in Civil Engineering

FACULTY OF COMPUTING, ENGINEERING AND SCIENCE  
UNIVERSITY OF SOUTH WALES  
UNITED KINGDOM

## 1.0 PERSONAL DETAILS

**Full names:** John Mungai Kinuthia; DOB: 4<sup>th</sup> July 1958

**Home address:** 62 Woolaston Avenue, Lakeside, Cardiff CF23 6HA, United Kingdom.

**Contact:** Landline: 02920759514; Mob: 07841677680; E-mail: [john.kinuthia@southwales.ac.uk](mailto:john.kinuthia@southwales.ac.uk)

**Nationality:** Kenyan, British.

**Current positions**

- Professor of Innovation and Engagement in Civil Engineering;
- Head, Centre for Engineering, Research and Environmental Applications (CEREA), Faculty of Advanced Technology, University of South Wales, United Kingdom.

**Academic qualifications & Professional qualifications:**

- PhD (Materials) Glamorgan, UK (1997),
- MSc. (Highway Eng.) Birmingham, UK, (1988),
- BSc. (Civil Eng. Hons.) Nairobi, Kenya, (1983).
- Chartered Civil Engineer – Institution of Civil Engineers, UK (CEng, MICE) (2011)
- Fellow of the Institution of Civil Engineers, UK (FICE) (2015)
- Chartered Institution of Highways and Transportation (MCIHT), UK. (2003)
- Senior Fellow, The Higher Education Academy (SFHEA), UK. (2001)

**Esteem:**

- Recognition in Research:
  - Post of Chair/Professor (2013)
  - Royal Society Brian Mercer Award for Innovation (2003);
  - Innovator - Registered Patent No. PCT/GB2002/000708: Novel cement utilising Wastepaper Ash and Blastfurnace Slag (2002).
- External Examiner:
  - University of Ulster, Northern Ireland (2014 – 2018)
  - University of Zambia (UNZA) (2010 – 2012)
- Advisor/Reviewer:
  - The National Centre of Science and Technology Evaluation (NCSTE), Government of the Republic of Kazakhstan
  - The Ministry of Business, Innovation & Employment (MBIE), Hikina Whakatutuki, Government of New Zealand.
  - The Research Council, Sultanate of Oman
  - The British Council, UK
  - The Chevening Committee, UK
  - The Volkswagen Foundation (Volkswagen Stiftung), Germany.
  - The National Research Foundation, South Africa
  - The Research Council of Norway.
- Membership of Editorial Boards:
  - Applied Clay Science Journal, Elsevier; <http://www.journals.elsevier.com/applied-clay-science/>
  - Journal of Civil Engineering and Architecture, USA
  - International Journal of Bridge and Pavement Engineering, Baltic Region; <http://leidykla.vgtu.lt/>
  - Journal of Materials Solutions, Africa
  - Chinese Journal of Engineering, China; <http://www.hindawi.com/journals/cje/editors/>
  - The Scientific World Journal (TSWJ), USA; <http://www.hindawi.com/journals/tswj/>

**Main areas of expertise:**

- **Civil Engineering:** Transportation, Highway engineering, Highway/Construction Materials; Road construction and maintenance; Sustainable Development/Waste management/Waste utilisation in construction – Development of construction materials utilising natural, industrial and agricultural waste/by-product materials
- **International Development:** Mitigation of effects of climate change; Issues on Africa in general; Appropriate Technology: Low-cost infrastructure – housing, roads etc.; Community engagement; Urban planning/mitigation of effects of rapid development;
- **Collaborators in:** UK; France; Kenya; Uganda; Ethiopia; Zambia; Nigeria; Cameroon; South Africa; Bangladesh; Malaysia; Kazakhstan; Canada; Spain; Turkey, UAE.
- **Training/Capacity building:** In all the fields and countries mentioned above.

## 2.0 DETAILED PROFILE

- March 2013 - Present**      **University of South Wales (Formerly University of Glamorgan) (UK), Faculty of Computing, Engineering and Science (FCES).**  
**Positions:**  
**Professor** - Innovation and Engagement in Civil Engineering  
**Director** - Centre for Engineering, Research and Environmental Applications (CEREA)
- Duties**  
Training, research, consultancy, and overall scholarship and professional activities in civil engineering. This is in recognition as a role model for others and as an authority in my subject area. This has been due to demonstrated output in training, mentoring and supervising research and in consultancy, and effective engagement with the civil engineering industry. I manage academic and technical teams in academic and commercial endeavours in civil engineering in various capacities and roles :
- Mentor/ Director of Studies/ Principal Researcher:** I am mentor and role model to civil engineering students and staff on academic, industrial and research matters, accruing from more than 30 years working experience. The role of Director of Studies (DOS) requires significant management and communication skills, and has successfully supervised 13 PhD researchers. I also manage and undertake consultancy in civil engineering in my role as Director of CEREA, and work close with professional bodies including the Institution of Civil Engineers (ICE), where I am a trained Professional Reviewer to reviewing engineer for Chartered Engineer (CEng) status.
- Director of CEREA:** This centre maintains accreditation by the United Kingdom Accreditation Service (UKAS) for testing of materials. The role requires thorough knowledge of civil engineering, in particular familiarity with standards governing testing of civil engineering materials (and for UK, to UKAS requirements). I manage a team of Lead Consultants, Quality Managers, Internal Auditors, and Technicians in civil engineering, especially in the four broad areas – testing of concrete, soils, and structural elements. I ensure efficiency in a wide range of quality assurance systems/criteria, such as those by UKAS , BS EN ISO 17025: 2005 Quality Standard for testing laboratories in the UK, as well as BS EN ISO 9001: 2008, the National Quality Assurance (NQA). CEREA is also an Accredited Notified Body (NB) under the Construction Products Regulation (EU) No 305/2011 for testing steel and concrete lintels to regulation 97/740/EC for Masonry and related products. This enables the centre to undertake a wide range of consultancies in construction, problem diagnosis and analysis, R & D, regeneration, and civil engineering project design and management. I liaise with UK government departments and the European Commission (EC) which governs Notified Bodies across Europe, to be able to assist companies meet CE kite marks as stipulated by EC regulations. This facilitates construction product marketability across Europe and beyond.
- July 2011 to March 2013**      **University of Glamorgan (UK), Faculty of Advanced Technology (FAT).**  
**Positions**  
**Programme Leader** - Civil Engineering Postgraduate Awards; I ensure liaison with industrial and professional bodies such as the Institution of Civil Engineers (ICE), to facilitate fast-tracking of student professional accreditation soon after graduation. I also teach at all undergraduate and postgraduate levels (HNC/HND/BSc/BEng/MEng/MSc/PhD).  
**Director of Consultancy and Knowledge Transfer:** Direct consultancy and liaise with industry.
- May 2003 to June 2011**      **University of Glamorgan (UK), Faculty of Advanced Technology (FAT).**  
**Position:** Senior Lecturer/Admissions Tutor - Civil Engineering Postgraduate Awards; Teaching, Research, Research supervision and consultancy.
- March 2001 to April 2003**      **University of Glamorgan (UK), Faculty of Advanced Technology (FAT).**  
**Position:** Lecturer - Teaching, Research, Research supervision; Consultancy. Fields: Materials, Geo-Technology, Highways and Transportation.
- January 1998 to February 2001**      **University of Glamorgan (UK), School of Technology (SoTech).**  
**Position:** Post Doctoral Research Fellow - Teaching, Research and consultancy in Civil Engineering, mainly in Materials, Geo-Technology, Highways and Transportation.
- September 1993 to October 1997**      **University of Glamorgan (UK), School of the Built Environment (SoBE).**  
**Position:** PhD Student/Research Assistant - Project title: “*The effects and mechanisms of metal sulphates on lime-stabilised kaolinite*”; Support of teaching and learning activities.
- Jul 1990 to September 1993**      **Jomo Kenyatta University of Agriculture & Technology (JKUAT), Nairobi, Kenya.**  
**Positions:**  
**Lecturer:** Soil Mechanics, Technical Drawing; Highway Engineering.

- Head of Department of Civil Engineering:** Manage the department; Development of civil engineering curriculum; Initiate, stimulate and mentor in research in an infant institution.
- June 1989 to July 1990** **C. A. Liburd Consulting Engineers & Planners, Nairobi, Kenya.**  
**Position:** Senior Highways Engineer - Design of roads, and civil works for various civil engineering projects in Kenya, including:
  - Kurgung' Water supply in the Rift Valley
  - Imara Daima Estate in Nairobi
  - Construction of 3 Teacher Training Colleges – Tambach, Kabarnet and Bondo
  - Construction of Barclays Bank Building in Nyeri, Central Kenya
- August 1989 to October 1989** **Free University of Brussels (Vrije Universiteit Brussel (VUB)), Belgium** - Training on composite materials, course title - International Composite Technology (ICT).
- September 1987 to October 1988** **University of Birmingham, UK** - MSc. degree study in Highway Engineering. Final year project title “*Grading Compliance of Asphalt Mixes*”; Also sponsored by the World Bank to an International workshop on the World Bank’s computer based Road Transport Investment Modelling (RTIM) programme, and the Highway Development Model (HDM).
- March 1983 to June 1989** **Ministry of Transport & Communications – later Ministry of Public Works, Nairobi, Kenya.**  
**Positions:** Assistant Roads Engineer; Roads Engineer – Initial industrial experience in construction and supervision of highway projects; Various materials investigations and site feasibility studies; Laboratory materials testing for buildings, roads and dams; Road pavement condition surveys and design of pavement rehabilitation overlays; Maintaining computer database for road maintenance purposes. Major projects include:
  - Supervision of construction in Mau-Summit-Kericho road (Asphalt mix design and application; Benkelman Beam and Road bump Integrator used to test newly finished road);
  - Supervision of bridges on rivers Nzoia, Yala and Kibos, in Western Kenya.
  - Sagana - Marua road (Benkelman Beam used for old pavement condition surveys)
  - Tana Basin Road project (Garissa-Bura-Garsen-Malindi) – Construction and materials testing
  - Lodwar – Kakuma - Lokichoggio road (Bump integrator, Digital Profilemeter – Testing performance of newly opened sections of road)
  - Wamba dam in Samburu District – Feasibility studies and material testing

### 3.0 RESEARCH AND CONSULTANCY

#### PhD SUPERVISION

MRes/MPhil/PhD: Total 17; Completions – 13; DoS - 11; Supervisor – 3; Advisor – 2; On-going - 4

#### PhD EXAMINATION

External – 5; Internal – 2 Viva Chair – 8

#### PhD Completions

No	Name	Role	Title of Research/Thesis	Date of Completion
1	Dr Gabriel Veith	Advisor	Utilization of waste colliery spoil for concrete backfill	September 2001
2	Dr. Bari Thomas	Supervisor	Utilization of Wastepaper Sludge Ash (WSA) in concrete	September 2001
3	Dr. Govindarapan Veerapan	Director of Studies (DoS)	The development of a low cost, low energy cement from waste	December 2003
4	Dr. Nidzam Rahmat	Director of Studies (DoS)	Utilization of Wastepaper Sludge Ash (WSA) in soil stabilization.	September 2004
5	Dr. David Snelson	Advisor	Hydration, pore development and chemical resistance of Metakaolin - Fly ash - Portland cement (MK-PFA-PC) blends.	May 2005
6	Dr. Peter Harvey	Supervisor	Sustainability of Rural Water Services in Low-Income Countries: The case of Sub-Saharan Africa	September 2008
7	Dr. Jonathan Oti	Director of Studies (DoS)	The development of unfired clay building materials for sustainable building construction	September 2010
8	Dr. Gift Obuzor	Director of Studies (DoS)	Development of technology for low-cost road embankments in flood plains	June 2011
9	Dr. Norsalisma Ismael	Director of Studies (DoS)	The development of sustainable lime-based building wall components	July 2011

No	Name	Role	Title of Research/Thesis	Date of Completion
10	Dr. Mustafa Ali	Director of Studies (DoS)	Experimental study of the fracture and self-healing of cementitious materials	December 2015
11	Dr. Philip MacAleenan	Director of Studies (DoS)	Operation analysis and control model for workplace occupational health	December 2015
12	Dr. Ciaran MacAleenan	Director of Studies (DoS)	Implementation of construction site and worker safety	December 2015
13	Mr. Nosike Amucheazi	Director of Studies (DoS)	The development of a low carbon mud to cement conversion mechanism for oil well cementing	On-going
14	Mr. Olalekan Ayoola Oladipo	Director of Studies (DoS)	Encapsulation of waste in cementitious systems for use in civil engineering applications	On-going
15	Mr. Sanewu Isaac Fundi	Co-Supervisor	Structural response of cement-stabilised laterite soil interlocking block panels for small-scale housing	On-going
16	Ms. Darlene James	Co-Supervisor	Soap and Synthetic Detergent Removal from Greywater by using Natural Geo or Waste Materials	On-going

#### MRes

16	Ms Silva Hedwilena Santos Nevese	Director of Studies (DoS)	Analysis of engineering performance of polymer waste as timber substitute	December 2013
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### 3.0 INCOME GENERATION

#### 3.1 Research income as Applicant/Co-applicant

<p><b>Research income:</b></p> <ul style="list-style-type: none"> <li>▪ Applicant: £150,000 – Academic for Business (A4B) project on developing a Low Impact Materials Network (LiMNet), in joint collaboration with Universities of Swansea and Bangor.</li> <li>▪ Co-applicant: £27,000 - UNESCO Cymru-Wales Committee (For research into the utilisation of natural, industrial, agricultural and other waste materials in Africa, with case studies of Kenya and Cameroon)</li> <li>▪ Applicant: £123,000 - Higher Education Funding Council for Wales (HEFCW) – Collaborative Industrial Research Programme (CIRP) Project: Development of unfired clay bricks - completed</li> <li>▪ Applicant: £110,000 – Rhondda Cynon County Borough Council - Utilisation of waste ash and waste tyres on Church Village Bypass, S. Wales- completed</li> <li>▪ Applicant: £25,000 - Royal Society; Innovative use of waste for soil stabilisation - completed</li> <li>▪ Applicant: £9,300 - Aylesford Newsprint Ltd.; Utilisation of Waste Sludge Ash (WSA) in construction- completed</li> <li>▪ Applicant: £6,000 – Higher Education Funding Council for Wales (HEFCW) – Strategic Insight Programme (SIP) Project: Scoping for applications of soil-based construction materials and products - completed.</li> <li>▪ Applicant: £4,000 - Cementitious Slag Makers Association (CSMA); Utilisation of Ground Granulated Blastfurnace Slag (GGBS) in road construction- completed</li> <li>▪ Co-applicant: £31,349 - EPSRC- JREI (£16,074- EPSRC; £ 7,050 - North East Slag Cement Ltd; £ 8,225 - Hanson Brick Plc) - completed.</li> <li>▪ Contributing applicant : £193,739 (£160,739 - EPSRC; £ 24,000 – Aylesford Newsprint Ltd.; £ 9,000 – CSMA). Utilisation of Waste Sludge Ash (WSA)-GGBS novel cement in concrete- completed</li> </ul> <p><b>Recognition in Research:</b></p> <ul style="list-style-type: none"> <li>▪ Royal Society Brian Mercer Award for Innovation</li> <li>▪ Innovator - Registered Patent No. PCT/GB2002/000708: Novel cement utilising Wastepaper Ash and Blastfurnace Slag.</li> </ul>
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#### 3.2 Income from Consultancy

##### 3.2.1 As Project Manager and Head of the Centre for Engineering, Research and Environmental Applications (CEREA))

The centre (CEREA) is accredited by the United Kingdom Accreditation Service (UKAS) for testing materials. It is also an Accredited Notified Body under the Construction Products Regulation (EU) No 305/2011, for testing steel and concrete lintels to regulation 97/740/EC for Masonry and related products (2/3): Lintels (in walls and partitions). The centre also undertakes a wide range of consultancies construction and material-related problem diagnosis and analysis, R & D, regeneration, civil engineering project design and management. These activities are besides normal teaching and research duties.

### Typical jobs in CEREAs

Client	Job description	Value
<ul style="list-style-type: none"> <li>▪ Main client - TATA Steel (CATNIC) + other lintels manufacturing companies</li> <li>▪ Various other companies mainly in South Wales, but also rest of UK.</li> </ul>	Management of accredited materials testing. The main work involved flexural properties of steel, masonry, concrete and composite steel-brick lintels, yield strength, Web buckling, etc. However, there is a wide range of materials testing in the in research and development (R & D) of materials for building and construction sectors.	Variable. Approx. £3,000-15,000/ month

### 3.2.2 As Principal Investigator/Lead Consultant in consultancy.

The activities above are besides normal teaching and research duties. In parallel, to other project that I manage, I also undertake consultancy as the Principal Investigator as follows:

#### Sample jobs (only those jobs with an official quotation and job number/a full technical report

	Job No.	Year	Client	Job description	Amount (£)
1	14T002	March 2014	Kelvin Groundworks	Tests on in-situ concrete	156.00
2	14T001	Aug 2014	Heritage Testing Ltd.	Tests on Heritage Bricks	1225.00
3	13T010	Feb 2014	RNY Ltd.	Preparation, Casting & Curing of Cementitious Door Panels	1610.00
4	13T004	Nov 2013	Ty-Mawr Lime Ltd.	R & D of fibre mixtures - Cube and beam tests	223.00
5	12T019	July 2013	Balfour Beatty/Cowlin	Monitoring of site concrete casting and cube strength	260
6	12T018	July 2013	Cenin Cement Ltd.	Analysis of Soil stabilised using a novel cementitious material	1630.00
7	12T013	April 2013	Jordan Civils	Concrete cube testing	78.00
8	12T011	April 2013	Harveys Ltd.	Flexure and Web tests for 36 no. steel lintels	7,830.00
9	12T010	Jan 2013	RMS Ltd.	Analysis of compressive strength of water reservoir concrete	350.00
10	12T008	Dec 2012	Galliford Try	Concrete cube testing	175.00
11	11C111/ 12C027	Jul-Oct. 2012	Orangebox Ltd.	R&D work on simulation of temperature-induced damage to office furniture during shipment	1,700.00
12	11T046/ 11T047/ 12C022	Jun-Oct 2012	Client Vinci Construction Ltd.	R & D work on concrete containing fibres and water reducing admixture –	2,330.00
13	11C054	Feb-Nov 2012	Blaenau Gwent County Borough Council	Hospice of the Valleys - Supervision of Ground Investigations (GI) on Ebbw Vale Brown Site	4,500.00
14	12T002/ 11C039/	Aug-Oct. 2012	Ty-Mawr Lime Ltd.	R & D of fibre mixtures - Cube and beam tests	750.00
15	11T005/ 11T022	Aug-Oct. 2012	Ty-Mawr Lime Ltd.	Thermal conductivity of fibre-reinforced lime-hemp building components	750.00
16	10C080	Jul 2011	Nigel Smith Ltd.	Freeze & Thaw tests on concrete	1,650.00
17	09C032	Feb.2010	Artcrete Decorend Ltd.	Testing and Certification of Render	4,500.00
18	08T035	Dec. 2009	Lovell Ltd.	Analysis of mortar	1,300.00
19	09T014	Oct. 2009	Artcrete Decorend Ltd.	Determination of durability and heat transfer of flooring slabs	1,900.00
20	08C029	Aug. 2009	Lovell Ltd.	Analysis of the composition of mortar fragments	1,300.00
21	08C015	April 2009	AMCO Ltd.	Analysis of the composition of two mortar samples	1,000.00
22	08C023	Nov 2008	Woodcrete Ltd.	Engineering properties of woodcrete concrete slabs	1,900.00
23	07C138	July 2008	Brandwells Ltd.	Analysis of technical report by Sandberg Ltd.	2,500
24	07C090	April 2008	E. Davies Ltd.	Analysis of the composition of historic mortar from Swansea	1,100.00
25	07C004	Sep. 2007	Lovell Ltd.	Analysis of the composition of mortar and concrete	900.00

26	07C006	Jul 2007	Loosemores Solicitors	Desktop review of scene of accident photographs	600.00
27	05C124	May 2007	Welsh Assembly Government (WAG).	Consultancy proposal on Waste to Energy: Recycling of waste plastics in Wales	6,900.00
28	06C040	Nov. 2006	MEAD Construction Ltd.	Analysis of the composition of mortar and concrete fragments	1,200.00
29	06C042	Nov. 2006	Aylesford Newsprint Ltd.	Establishment of utilisation of wastepaper sludge ash in lightweight blocks by CELCON Ltd.	1,000.00
30	05C080	April 2006	OPCO Limited. Cardiff	Consultancy Report on Analysis of concrete cores –	2,684.00
31	05C001 06C010	Sep. 2005-07	3 County Borough Councils: ▪ Rhondda Cynon ▪ Taff; Merthyr Tydfil ▪ Bridgend County	Utilisation of waste ash and waste tyres on Church Village Bypass, S. Wales, UK.	110,000.00
32	05C019	Dec. 2005	Eagle One Ltd.	Expansion of slag on the Festival Park Development site	4,950.00
33	05T023	Dec. 2005	Aylesford Newsprint	Analysis of chemical and oxide analysis of wastepaper sludge ash	1,200.00
34	04T049	June 2005	Manocraft Ltd.	Analysis of ash-lime render.	575.00
35	05T034	Nov. 2004	Aylesford Newsprint	Material safety data Sheet (MSDA) Analysis for free lime content	1,200.00
36	04T011	Nov. 2004	Mowlem	Compressive strength of screed-insulation composite layer	850.00
37	C7076	Sep. 2004-05	Wales Environment Trust (WET)	Utilisation of waste for soil stabilisation (Part 1 of 3). Total project: £76,500.00	25,500.00
38	T8034	Sep. 2004	Tenax Ltd.	Testing of thermoplastic geogrids for load-bearing capacity.	4,800.00
39	T8016	Sep. 2004	HD Williams Ltd.	Investigation into the failure in boundary wall concrete.	890.00
40	T7019	Feb. 2004	David McClean Ltd.	Leaching tests on construction backfill material.	950.00
41	C7102	Feb. 2004	Gryphon Concrete Ltd.	Assessment for causes of failure of paving blocks	600.00
42	C8035	Dec. 2003	Interserve Building Ltd.	Analysis of demolition concrete and mortar.	1,600.00
43	T8003	Dec. 2003	BJ Seals Ltd.	Analysis of a polymer-coated metal seal	550.00
44	T8002	Aug. 2003	Cowlin Construction Ltd.	Analysis of ground floor slab concrete	1,490.00
45	C7101	Dec. 2003	Kautex-Textron Ltd.	Analysis of blockage material in a car wiper jet assembly.	1,200.00
46	C7069	Aug. 2003	Dudleys Shopfitters Ltd.	Assessment of Health and safety properties of a demolition waste.	895.00
47	T7043	May 2003	John Weaver Construction Ltd.	Investigation on rising damp in a concrete screed	806.00
48	C6116	July 2002	Cementitious Slag Makers Association (CSMA)	Analysis of Clay soil on the A13 highway project.	1,805.00
49	C6065	Mar 2002	Jehu Project Services Ltd.	Rising damp in a masonry wall - Phase II	990.00
50	C6042	Jan. 2002	Jehu Project Services Ltd.	Rising damp in a masonry wall – Phase I.	990.00

#### 4.0 PUBLICATIONS

##### List of Publications

Scopus ID: 6603496607      Orcid ID: 0000-0002-3273-846X      h-index: 18

**Total:** 111 Publications:      Book chapters: 4;      Journal - 54;      Conference - 36;      Other - 17

##### Book Chapters

1. J.M. KINUTHIA (2017). Waste paper in cementitious systems, Chapter XX of Book title: Waste and Supplementary Cementitious Materials in Concrete: Characterisation, Properties and Applications. Editors: Dr. Rafat Siddique, and Paulo Cachim, Elsevier Publishers.

2. J.M. KINUTHIA (2016). Waste paper in construction, Chapter 22 of Book title: Sustainability of Construction Materials Edited by Jamal Khatib. Woodhead Publishers.
3. J.M. KINUTHIA (2016). Unfired clay materials and construction, Chapter 11 of Book title: Nonconventional and Vernacular Construction Materials Characterisation, Properties and Applications, Edited by Kent Harries, Bhavna Sharma and Gwen Jones, Woodhead Publishers.
4. J.M. KINUTHIA (2014). The durability of compressed earth-based masonry bricks and blocks, Chapter 17 of Book title: Eco-efficient Masonry Bricks and Blocks: Design, Properties and Durability, Edited by Dr. F. Pacheco-Torgal, Professor P.B. Lourenço, Dr. J.A. Labrincha, Dr. V.M. John and Professor N.P. Rajamane, Woodhead Publishers

#### **Refereed journal publications**

1. MARCELINO-SADABA, SARA; KINUTHIA, JOHN; OTI, JONATHAN; SECO MENESES, ANDRES. (2017) Challenges in Life Cycle Assessment (LCA) of stabilised clay-based construction materials. **Applied Clays Journal**. 144:121 – 130. 16 May 2017; DOI: 10.1016/j.clay.2017.05.012
2. OTI, J.E., BEng, MSc, PhD, CEng, MICE, FNSE, MACE; KINUTHIA, J.M., BSc (Hons), MSc, PhD, CEng, FICE, SFHEA. (2017) A study on the effects of the use of seawater for mixing and curing un-reinforced concrete. **Submitted to Journal of Construction Materials**.
3. OTI, J.E., BEng, MSc, PhD, CEng, MICE, FNSE, MACE; KINUTHIA, J.M., BSc (Hons), MSc, PhD, CEng, FICE, SFHEA. (Sep 2016) Effects of Straw and waste tyre rubber granules on the strength of lime stabilised glacial till clayey soil. **Submitted to Applied Clays Journal (Sep. 2016)**.
4. MOHAMAD NIDZAM, and JOHN MUNGAI KINUTHIA, (2016) Strength and environmental evaluation of stabilised Clay-PFA eco-friendly bricks. **Construction and Building Materials**, Vol. 125, pp. 964-973. Doi:org/10.1016/j.conbuildmat.2016.08.114.
5. Oti, J.E., BEng, MSc, PhD, CEng, MICE, FNSE, MACE; Kinuthia, J.M., BSc (Hons), MSc, PhD, CEng, FICE, SFHEA. (Dec 2016) The Engineering properties of Concrete made by Partially Replacing Fine Aggregate with PFA. **Engineering Geology Journal (Dec 2016)**.
6. OTI J. E, KINUTHIA J.M, ROBINSON R, DAVIES P. (2015) Heating and Cooling Scenario of Blended Concrete Subjected to 780 Degrees Celsius. World Academy of Science, Engineering and Technology, International Science Index 100, **International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering**, 9(4), 407 – 413.
7. ABID I. ABU-TAIR, GAVIN M. WILDE and JOHN M. KINUTHIA (2015) Urban Search and Rescue and Rapid Field Assessment of Damaged and Collapsed Building Structures, World Academy of Science, Engineering and Technology, **International Journal of Civil, Structural, Construction and Architectural Engineering** Vol:9, No:4, 2015
8. OTI J, KINUTHIA J, ROBINSON R, DAVIES P., 2015. The Use of Palm Kernel Shell and Ash for Concrete Production. World Academy of Science, Engineering and Technology, International Science Index 99, International Journal of Civil, Environmental, Structural, **Construction and Architectural Engineering**, 9(3), 263 – 270.
9. JONATHAN E OTI and JOHN M KINUTHIA (2015). Development of stabilised brick and mortar using biomass waste. **Journal of Construction Materials**, Vol. 168, Issue 5, pp. 241 – 250.
10. J. E. OTI, J. M. KINUTHIA and R. B. ROBINSON (2014). The development of unfired clay building materials using brick dust waste and Mercia mudstone clay. **Applied Clay Science**, 102, 148 – 154.
11. MIQUELEIZ L, RAMIREZ F, OTI J.E. SECO A, KINUTHIA J.M , OREJA I. AND URMENETA P (2013). Alumina filler waste as clay replacement material for unfired brick production, **Engineering Geology** Volume 163, pp. 68-74
12. J. M KINUTHIA and J. E. OTI (2012). Designed non-fired clay mixes for sustainable and low carbon use. **Applied Clay Science**, 59/60, 131-139. doi:10.1016/j.clay.2012.02.021
13. JONATHAN E OTI, JOHN M KINUTHIA (2012). Stabilised unfired clay bricks for environmental and sustainable use. **Applied Clay Science**, 58, pp. 52 – 59, ISSN 0169-1317 - doi:10.1016/j.clay.2012.01.011.
14. L. Miqueleiz, F. Ramirez , A. Seco, R.M. Nidzam, J.M. Kinuthia, A. Abu Tair, and R. Garcia (2012). The use of stabilised Spanish clay soil for sustainable construction materials, **Engineering Geology**, 133-134, 9–15.
15. DAVID HARRISON JENKINS, ANTHONY HARRIS, ABDUL ABU TAIR, HILARY THOMAS, RICHARD OKOTEL, JOHN KINUTHIA, LINUS MOFOR AND MARGA QUINCE (2011) Community-based resilience building: normative meets narrative in Mbale, **Environmental Hazards**, 2012, 1–13. DOI:10.1080/17477891.2012.738641
16. J.M KINUTHIA and R. M. NIDZAM. (2011) Towards zero industrial waste:Utilization of brick dust waste in sustainable construction. **Waste Management** (2011). 31 (2011) 1867–1878; doi: 10.1016/J.wasman.2011.03.020.
17. MOHAMAD NIDZAM RAHMAT, NORSLALISMA ISMAIL, and JOHN M. KINUTHIA (2011) The Potential of Utilising Industrial Waste as Lightweight Building Components– A Preliminary Investigation, **Journal of Modern Applied Science**, Vol. 4, No. 10; October 2010, pp. 35 – 46.
18. MOHAMAD NIDZAM, and JOHN MUNGAI KINUTHIA, (2011) Compaction of fills involving stabilisation of expansive soils. Proceedings of the Institution of Civil Engineers (ICE); **Geotechnical Engineering**, Vol. 164, Issue GE2, pp. 113-126. Doi:10.1680/geng.2011.164.2.113.
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#### **Refereed conference publications**

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3. J. M. KINUTHIA (2015) Advances in unfired clay materials and construction. ISBS2015 2<sup>nd</sup> International Sustainable Building Symposium, (paper and key note Speech), 28-30<sup>th</sup> May 2015, **Gazi University, Ankara, Turkey**.
4. M. K. ALI, A. I. ABU-TAIR, J. M. KINUTHIA and RYSZARD BABECKI (2015) Self- healing and strength development of geopolymer concrete made with Waste by products, International Conference on Biological, Civil and Environmental Engineering (BCEE-2015), Feb. 3-4, **Bali, Indonesia**.
5. J. M. KINUTHIA (2014) Durability of cementitious materials: A review of Compressed Earth Building Materials (CEBM). 3<sup>rd</sup> International Workshop on Earthquake and Sustainable Materials, 24-26<sup>th</sup> June, **Anadolu University, Eskisehir, Turkey**.
6. J. M. KINUTHIA; J. E. OTI (2013) Radical waste-based approaches towards sustainability in building and construction: Review of case studies. International Conference, Application of Efficient and renewable energy technologies in low cost and construction, 16-18<sup>th</sup> September 2013, **Gazi University, Ankara, Turkey**.
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11. Firat S, Yilmaz G, Vural I, Khatib JM & Kinuthia JM (2013) Reducing Energy Requirement Using Waste Materials. *in: Prof. Dr. S. Firat (ed.), II. International Workshop on Earthquake and Sustainable Materials (IWESM)*, **Sakarya University, Turkey**, Technology Faculty, pp. 200-213, ISBN: 978-605-4735-07-05.
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#### **Non-Refereed journals, conferences and other publications**

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## 5.0 REFERENCES

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BEng, MEng(Sc), PhD, CEng, EUR ING, FICE, FHEA,  
Professor of Civil Engineering  
Faculty of Engineering  
Beirut Arab University  
P.O. Box: 11 5020 Beirut, Lebanon  
Phone: +961 7 985 858 Ext: 3422  
Fax: +961 7 985 858 Ext: 3402  
Email: [j.khatib@bau.edu.lb](mailto:j.khatib@bau.edu.lb)  
[jmkhatib@yahoo.com](mailto:jmkhatib@yahoo.com)  
Website: [www.bau.edu.lb](http://www.bau.edu.lb)
3. **Professor Seyhan Firat**  
Department of Civil Engineering  
Gazi University  
06500 Ankara,  
Turkey  
Tel: Mobile: 05334314523; Office: 0216 2028895  
Email: [sfirat@gazi.edu.tr](mailto:sfirat@gazi.edu.tr)
4. **Prof. Edward Kirumira**  
Makerere University  
Principal, College of Humanities and Social Sciences  
Kampala  
Uganda  
Email: [edkirumira@gmail.com](mailto:edkirumira@gmail.com)
5. **Prof. Henry Mwanaki Alinaitwe**  
Principal, College of Engineering, Design, Art and Technology (CEDAT)  
Makerere University

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Uganda  
Email: [alinaitwe\\_h@cedat.mak.ac.ug](mailto:alinaitwe_h@cedat.mak.ac.ug);  
[principal@cedat.mak.ac.ug](mailto:principal@cedat.mak.ac.ug)

6. **Dr. Andrés Seco Meneses**  
Olivos Building  
Department of Projects and Rural Engineering  
Public University of Navarre (UPNA)  
Campus of Arrosadia  
**31006 PAMPLONA**  
**NAVARRE**  
**SPAIN**  
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Email address:- [Andres.seco@unavarra.es](mailto:Andres.seco@unavarra.es)
7. **Dr. Joshua Omer**  
Kingston University  
Faculty of Engineering  
River House  
53–57 High Street  
Kingston Upon Thames  
Surrey KT1 1LQ  
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+44 (0) 7746973237  
Email address:- [J.R.Omer@kingston.ac.uk](mailto:J.R.Omer@kingston.ac.uk)
8. **Mr. John Okuonzi**  
Senior Lecturer/E-Kampus Project PI  
Department of Electrical and Electronic Engineering  
Kyambogo University  
PO Box 1, Kyambogo  
Kampala  
Uganda  
Email: [jokuonzi@kyu.ac.ug](mailto:jokuonzi@kyu.ac.ug);  
[Jm.mukonzi@gmail.com](mailto:Jm.mukonzi@gmail.com)
9. **Mr Lwanga Herbert**  
Director  
LOG'EL Project  
Science and Technology for Society  
Kampala  
Uganda  
Email: [Lwangaherbert@gmail.com](mailto:Lwangaherbert@gmail.com)
10. **Professor Alan Woodside (MPhil. CEng. FICE. FIAT. MCIHT)**  
School of the Built Environment,  
University of Ulster, Shore Road, Newtownabbey Co.Antrim  
N. Ireland  
BT37 0QB  
**United Kingdom**  
Email: [AR.Woodside@ulster.ac.uk](mailto:AR.Woodside@ulster.ac.uk)
11. **Mr. Keith Jones**  
Director ICE Wales  
Institution of Civil Engineers (ICE)  
ICE Wales Cymru  
Suite 2, Bay Chambers  
West Bute Street  
Cardiff Bay CF10 5BB  
**United Kingdom**  
Tel: +44 (0)292 063 0561  
Fax: +44 (0)292 063 0666  
E-mail: [wales.cymru@ice.org.uk](mailto:wales.cymru@ice.org.uk)

3. **Professor Faris Ali**  
Room 27B03  
School of the Built Environment  
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Jordanstown campus  
Shore Road, Newtownabbey  
Co. Antrim, BT37 0QB  
Tel: +44 28 90368302  
Email: [f.ali@ulster.ac.uk](mailto:f.ali@ulster.ac.uk)
  
4. **Prof. Jamal Khatib (Old address)**  
School of Engineering and the Built  
Environment,  
University of Wolverhampton  
City Campus  
Wulfruna Street  
Wolverhampton  
West Midlands  
WV1 1LY  
Tel: +44(0)1902 518588/1902 321402  
Fax: +44(0)1902 321478  
Email: [j.m.khatib@wlv.ac.uk](mailto:j.m.khatib@wlv.ac.uk)

# **Academic Qualifications**



UNIVERSITY OF GLAMORGAN  
PRIFYSGOL MORGANNWG

**JOHN MUNGAI KINUTHIA**

has been awarded the degree of

**DOCTOR OF PHILOSOPHY**

in recognition of a programme of work entitled

**Property Changes and Mechanisms in Lime-Stabilised Kaolinite in the Presence of Metal Sulphates**

This research programme was carried out in collaboration with

**Buxton Lime Industries Ltd and Cementitious Slag Makers Association**

Dated 20 September 1997

ardystir i'r uchod dderbyn gradd

**DOETHUR MEWN ATHRONIAETH**

am raglen gwaith yn dwyn y teitl

Cwblhawyd y rhaglen ymchwil hon mewn cydweithrediad â

Dyddiedig 20 Medi 1997

Vice- Chancellor  
Is-Ganghellor

Academic Registrar  
Cofrestrydd Academaidd





THE UNIVERSITY OF BIRMINGHAM

It is hereby certified that

JOHN MUNGAI KINUTHIA

was admitted to the degree of

MASTER OF SCIENCE (ENGINEERING)

(HIGHWAY ENGINEERING FOR DEVELOPING COUNTRIES)

of this University at a Congregation held in the  
University on the sixteenth day of December  
one thousand nine hundred and eighty-eight

*Michael Tompkin*  
*Vice-Chancellor and Principal*

*David R. Holmes*  
*Registrar and Secretary*

# UNIVERSITY OF NAIROBI



This is to certify that

*John Mungai Kinuthia*

having satisfied the requirements  
for the award of the degree of the

**BACHELOR OF SCIENCE  
(IN CIVIL ENGINEERING)**

*Second Class Honours (Upper Division)*

was admitted to the degree  
at a Congregation held at  
this University on the

**SEVENTH DAY OF DECEMBER IN THE YEAR**

**1983**

A handwritten signature in black ink, appearing to read 'Joseph M. Kimani'.

VICE - CHANCELLOR

A handwritten signature in black ink, appearing to read 'J. A. Mutesa'.

DEPUTY VICE - CHANCELLOR (ACADEMIC AFFAIRS)

# **Professional affiliations**



This is to certify that

**John Mungai Kinuthia**

was admitted on 19 November 2015 as a

**Fellow**

of

**the Institution of Civil Engineers**

"A Society established for the general advancement of Mechanical Science, and more particularly for promoting the acquisition of that species of knowledge which constitutes the profession of a Civil Engineer, being the art of directing the great sources of power in nature for the use and convenience of man."

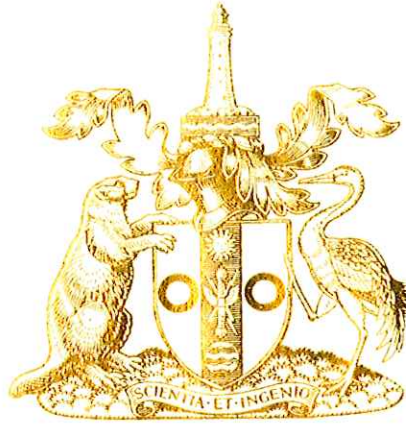
Thomas Tredgold, 1828

**ice**  
Institution of Civil Engineers



President

Director General and Secretary  
20 November 2015



This is to certify that

**John Mungai Kinuthia**

was admitted on 19 May 2011 as a

**Member**

of

**the Institution of Civil Engineers**

and is entitled to use the designation

**Chartered Civil Engineer**

"A Society established for the general advancement of Mechanical Science, and more particularly for promoting the acquisition of that species of knowledge which constitutes the profession of a Civil Engineer, being the art of directing the great sources of power in nature for the use and convenience of man."

Thomas Tredgold, 1828

**ice**  
Institution of Civil Engineers



President

Director General and Secretary  
20 May 2011



Established for the promotion and development  
of the knowledge and best practice of engineering

This is to certify that

*John Mungai Kinuthia*

in membership of the

*Institution of Civil Engineers*

has been registered by the Engineering Council and is hereby authorised  
to use the style or title of

*Chartered Engineer*

A handwritten signature in black ink, appearing to read "Nigel Smith", written over a horizontal line.

Chairman

A handwritten signature in black ink, appearing to read "John", written over a horizontal line.

Chief Executive Officer

Date of Registration 06 June 2011

Date of Issue 08 June 2011

Registration No. 588849

This certificate is the property of the Engineering Council  
Returnable on request or de-registration

BOND security  
BOND security

BOND security  
BOND security

BOND security  
BOND security



# THE INSTITUTION OF HIGHWAYS & TRANSPORTATION

*To advance for the public benefit the art, engineering  
science and technology associated with highways and  
transportation.*

*This is to certify that*

*Dr John Mungai Kinuthia*

*Was Elected*

*Member*

*Of the Institution Of Highways & Transportation and  
is entitled to the privileges of that grade in accordance  
with the Articles of Association and Byelaws of the  
Institution.*

*Witness our hands and seal this thirteenth day of  
January 2003*

*President*

*Chief Executive*

*Date of Election*

*13 January 2003*



REPUBLIC OF KENYA

*Engineers Registration Board*



This is to certify that

John M. Kinuthia

has been duly registered as a

*Graduate Engineer*

persuant to and in accordance with the  
provision of the Engineers Registration  
Ammendment Act 1978, and that on the  
.....3rd..... day of .....February, 1986.....

such name was entered in the Register  
of Graduate Engineers under the Serial  
Number.....B.216..... Given under our hands  
and Common Seal of the Registration  
of Engineers Board, at Nairobi this  
.....3rd..... day of .....February, 1986.....

  
Chairman

  
Registrar

  
Member



# **Research & Consultancy**



## APPLIED CLAY SCIENCE

# *Certificate of Outstanding Contribution in Reviewing*

awarded May, 2015 to

**JOHN KINUTHIA**

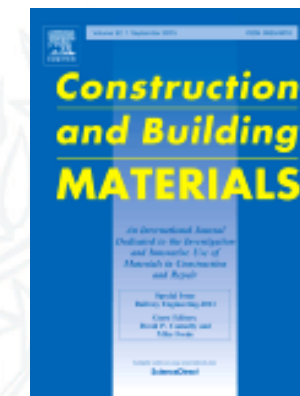
In recognition of the contributions made to the quality of the journal

**The Editors of APPLIED CLAY SCIENCE**  
Elsevier, Amsterdam, The Netherlands





## CONSTRUCTION AND BUILDING MATERIALS



# *Certificate of Outstanding Contribution in Reviewing*

awarded October, 2014 to

**JOHN KINUTHIA**

In recognition of the contributions made to the quality of the journal

**The Editors of CONSTRUCTION AND BUILDING MATERIALS**

Elsevier, Amsterdam, The Netherlands




# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p><b>1014</b></p> <p>Accredited to ISO/IEC 17025:2005</p>	<p><b>USW Commercial Services Ltd</b></p> <p>Issue No: 025    Issue date: 22 June 2015</p>	
	<p>University Of South Wales Llantwit Road Treforest Pontypridd CF37 1DL</p>	<p>Contact: Professor John Kinuthia Tel: +44 (0)1443 482148 Fax: +44 (0)1443 485916 E-Mail: <a href="mailto:jmkinuth@glam.ac.uk">jmkinuth@glam.ac.uk</a> Website: <a href="http://www.ugcs.co.uk">www.ugcs.co.uk</a></p>
Testing performed at the above address only		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
LINTELS	Load test (flexural resistance – non-destructive)	BS 5977-2:1983 (withdrawn)
	Load test (shear load resistance – non-destructive)	BS 5977-2:1983 (withdrawn)
	Flexural resistance	BS EN 846-9:2000
	Shear resistance	BS EN 846-9:2000
END		

### Accreditation for the purpose of Notified Body activity taking into account EA 2/17

Directive / Regulation	Conformity Assessment Procedure / Module / Article	Category of Products or Individual Products	Essential Requirements: Product Specification / Properties / Standards
The Construction Products Regulation (EU) No 305/2011	Annex V – Testing Laboratory (AVCP) System 3	97/740/EC Masonry and related products (2/3): Lintels (in walls and partitions)	EN 845-2:2003 EN 845-2:2013
END			

# Teaching quality

This is to certify that  
**Professor John Mungai Kinuthia**  
has achieved the status of  
**Senior Fellow** of  
**The Higher Education Academy**

Recognition reference:

**PR058336**

10/05/2013



Professor Craig Mahoney  
Chief Executive  
The Higher Education Academy



Professor Sir Robert Burgess  
Chairman of the Board of Directors  
The Higher Education Academy Board

This is to certify that  
**DR JOHN KINUTHIA**

has achieved the status of  
**FELLOW OF  
THE HIGHER EDUCATION ACADEMY**

Recognition reference: 4215  
9 March 2007

---



**PROFESSOR PAUL RAMSDEN**  
Chief Executive  
The Higher Education Academy



**LESLIE WAGNER CBE**  
Chair  
The Higher Education Academy Board



the institute for learning and teaching in higher education

**Dr John Kinuthia**

has been accepted into membership of

**The Institute for Learning and Teaching**

Membership Number 4215

**October 2000**

A handwritten signature in black ink, appearing to read 'R. Kinuthia', is positioned above the title.

**Chair  
ILT Transitional Council**

A handwritten signature in black ink, appearing to read 'Paul M. Clark', is positioned above the title.

**Chief Executive  
Institute for Learning and Teaching**



## MSc in Civil Engineering for International Development (CEfID)

Génie Civil pour le Développement International

国际开发土木工程

Peirianeg Sifil am Datblygiad Rhyngwladol

Uhandisi Ujenzi Kwa Maendeleo ya Kimataifa

Ingeniería Civil para el Desarrollo Internacional

Μεταπτυχιακές Σπουδές Πολιτικής Μηχανικής σε Έργα Διεθνούς Ανάπτυξης

Bauingenieurwesen für internationale Entwicklungen

Engenharia civil para o desenvolvimento internacional

For further information, please contact:

Admissions Tutors:

Dr. John Kinuthia on +44 (0)1443 482148

email: [jmkinuth@glam.ac.uk](mailto:jmkinuth@glam.ac.uk) or

Marga Quince on +44 (0)1443 482119

email: [mquince@glam.ac.uk](mailto:mquince@glam.ac.uk) or

The CEfID Course Director, Dr Linus Mofor

on +44 (0)1443 482167 email: [lamofor@glam.ac.uk](mailto:lamofor@glam.ac.uk)

The School of Technology, University of Glamorgan,  
Pontypridd CF37 1DL, UK

Tel: + 44 (0)1443 482171 Fax: + 44 (0)1443 482169

or visit our website at <http://www.glam.ac.uk/courses/>



INVESTOR IN PEOPLE



Rhondda Building - home of the School of Technology



Road construction work on the A429 using University of Glamorgan's soil stabilisation technology



Concrete blocks using University of Glamorgan's cement derived from recycled wastepaper ash



University of Glamorgan Civil Engineering students at a Surveying field course at the Isle of Wight, UK.



# Outstanding Contribution Award 2014

## Best Lecturer Research

This is to certify that  
**John Kinutha**

### Has won a Golden STAR Award

This individual was selected from a pool of Student Nominations as part of a student-lead recognition of excellence in learning and teaching. They have been recognized for their qualities in the following areas:

- Innovation in Learning
- Enterprise and Links with Industry
- Communication and Availability
- Feedback
- Flexibility in Learning
- Student Support and Belonging
- Learning resources
- Adaptability
- Going above and beyond

**Golden S.T.A.R Awards 2014**

# **Review of Research Grant Applications**

---

**Chevening Secretariat**  
Woburn House  
20-24 Tavistock Square  
London  
WC1H 9HF  
United Kingdom

Tel: +44 (0)20 7380 6700  
Fax: +44 (0)20 7387 2655  
[www.chevening.org](http://www.chevening.org)

---

17 November 2015

### **Chevening 2016/2017 Scholarships Reading Committee - Contract for Services**

Dear Dr Kinuthia,

Thank you for agreeing to be a Chevening 2016/2017 Scholarships Reading Committee member.

Your role as an Academic Specialist is to review and evaluate Chevening Award applications received from one or more countries from the same region of the world.

As an Academic Specialist, you are required to review each application and to provide an assessment based on the scoring framework provided by the Chevening Secretariat. All scores must be submitted online by a final deadline which is to be determined by the Chevening Secretariat. You will be notified of the deadline before you commence your assessment of applications. You are also expected to provide feedback to the Regional Specialist who will submit a report summarising the applications the Committee have reviewed.

All Reading Committee members are required to attend a training session in London on Monday 23 November 2015. Economy class travel costs up to £100 will be reimbursed and further information will be provided by the Chevening Secretariat.

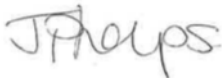
Subject to satisfactory completion of the tasks, you will be paid an honorarium. Reading Committee members will receive payment for their time and valued contributions. You will receive £1.50 per application assessed and the total payment you will receive is dependent on the number of applications assessed. In the unlikely event that there are no or fewer than 100 applications for you to review, you will be reimbursed £200 for your time in attending the training session.

For the avoidance of doubt, you are entirely and solely responsible for your own tax and national insurance liabilities and we would expect you to have clarified this position with HMRC.

Whilst undertaking this work you will have access to confidential information, including but not limited to, personal details of applicants. You agree to protect this information and delete or otherwise destroy or return to the Chevening Secretariat at the Association of Commonwealth Universities any such information held by you on completion of the task. You are expressly forbidden, either during or after undertaking this task, to disclose any confidential information relating to the task either verbally or in writing to any person or company, or make use of any such information.

I would be grateful if you would sign the copy of this agreement and return it to me to indicate your acceptance of the terms above.

Yours sincerely



Julia Phelps  
International Liaison Manager

Signed:.....Date:.....

---

**Chevening Secretariat**  
Woburn House  
20-24 Tavistock Square  
London  
WC1H 9HF  
United Kingdom

Tel: +44 (0)20 7380 6700  
Fax: +44 (0)20 7387 2655  
[www.chevening.org](http://www.chevening.org)

---

22/06/2016

### **Chevening Reading Committee 2017/2018 - Contract for Services**

Dear John Kinuthia,

Thank you for agreeing to be a Chevening reading committee member for 2017/2018.

Your role as a Regional Assessor is to review and evaluate Chevening applications received from one or more countries from the same region of the world.

As a Regional Assessor, you are required to review each application and to provide an assessment based on the scoring framework provided by the Chevening Secretariat. All scores must be submitted online by a final deadline of 2 January 2017. Regional Assessors are also expected to collate feedback from the Academic Assessor and submit a short written report summarising the applications the committee have reviewed. Guidance will be provided to you on the written report ahead of the assessment process.

Extensive training will be provided for all committee members. All new committee members will be requested to attend a mandatory training session on Monday 21 November where they will be briefed on the marking criteria and guidance on how to complete the assessments using the online system. Those required to attend the training session will be able to claim a reimbursement for transport costs of up to £150. Hotel, food and any other subsistence costs will not be eligible for reimbursement.

Subject to satisfactory completion of the tasks, you will be paid an honorarium. Reading committee members will receive payment for their time and contributions. You will receive £1.50 per application assessed and the total payment you will receive is dependent on the number of applications assessed. You will be asked to assess between 400-600 applications. In the unlikely event that there are no applications for you to review, you will be reimbursed £200 for your time. In addition to the honorarium you will also receive £50 for every country report produced.

For the avoidance of doubt, you are entirely and solely responsible for your own tax and national insurance liabilities and we would expect you to have clarified this position with HMRC.

Whilst undertaking this work you will have access to confidential information, including but not limited to, personal details of applicants. You agree to protect this information and delete or otherwise destroy or return to the Chevening Secretariat at the Association of Commonwealth Universities any such information held by you on completion of the task. You are expressly forbidden, either during or after undertaking this task, to disclose any confidential information relating to the task either verbally or in writing to any person or company, or make use of any such information.

I would be grateful if you would sign the copy of this agreement and return it to me to indicate your acceptance of the terms above.

Yours sincerely



Julia Phelps  
International Liaison Manager



Signed:.....Date:..22/06/2016.....

**Personal/Confidential**

Prof. John Kinuthia  
University of South Wales  
Faculty of Computing, Engineering and Science  
Centre for Engineering, Research and Environmental  
Applications (CEREA)  
PONTYPRIDD, CF37 1DL  
GROSSBRITANNIEN

**Funding**  
The International Team

**Dr. Christoph Oestreicher**  
Program Director

Phone: +49 511 8381-276  
Fax: +49 511 8381-4276  
E-Mail: oestreicher  
@volkswagenstiftung.de

**Ref.: 4-2-1-110**  
**27 May 2016**

Dear Professor Kinuthia,

We are very happy that you have volunteered to be a member of the expert panel for the funding initiative "Knowledge for Tomorrow – Cooperative Research Projects in Sub-Saharan Africa" within the "Call for Pre-Proposals for Postdoctoral Fellowships for African Researchers on Livelihood Management, Reforms, and Processes of Structural Change". As already mentioned,

**Thursday, 30 June 2016,**  
**from 9 a.m. until approx. 5 p.m.,**

the panel meeting to evaluate the pre-proposals will take place at the Volkswagen Foundation's offices. We take great pleasure in inviting you to this meeting.

The Volkswagen Foundation has launched an electronic portal for reviewers to get access to the applications under review and discussion in the meeting as well as to some information relevant to the review process. The details related to this process can be found in the separate email and the attached file "Review Process Guide".

On Wednesday, 29 June 2016 you are very welcome to join our dinner at 7:30 p.m. The venue is Kastens Hotel Luisenhof in Hanover (Luisenstraße 1 - 3, 30159 Hanover, phone: +49 511 3044-0, [www.kastens-hotel-luisenhof.de](http://www.kastens-hotel-luisenhof.de)) which is close to the central railway station and the city. The hotel will also be providing your accommodation from 29 to 30 June 2016, the expense of which will be covered directly by the Foundation. In the morning of 30 June you will be picked up at the hotel at 08:30 a.m. and taken to the Volkswagen Foundation's offices.

...

VolkswagenStiftung  
Kastanienallee 35  
30519 Hannover

Telefon 05 11/83 81-0  
[www.volkswagenstiftung.de](http://www.volkswagenstiftung.de)

Norddeutsche Landesbank  
IBAN DE98 2505 0000 0101 0440 06  
SWIFT/BIC NOLADE2H



Please inform us about your travel arrangements on the registration form and also if you need an additional accommodation in Hanover. The Foundation will reimburse your travel expenses (e. g. flights, train, taxi) according to the Foundation's internal rules. We would kindly like to ask you to book your tickets yourself. However, we would be happy to assist you in the visa application process if required.

Furthermore, the Foundation will provide an allowance of 500 EUR for all your efforts and to cover all other additional costs (e. g. telephone, meals during traveling, etc.) with respect to the meeting in Hanover. Please observe that you will have to transfer any tax incurred yourself.

Should you have any questions concerning the meetings, please do not hesitate to contact us (email: [bertram@volkswagenstiftung.de](mailto:bertram@volkswagenstiftung.de), phone: +49 511 8381-289 or [oestreicher@volkswagenstiftung.de](mailto:oestreicher@volkswagenstiftung.de), phone: +49 511 8381-276).

Yours sincerely,



Dr. Silke Bertram  
Head of Team International



Dr. Christoph Oestreicher  
Program Director

#### Enclosures

Review Process Guide  
Registration form  
Map „Kastens Hotel Luisenhof“  
Allowance form  
Travel Expenses form

## John Kinuthia

---

**From:** Thomas Nilsson <Thomas.Nilsson@mbie.govt.nz> on behalf of Mowles P <Mowles.P@mbie.govt.nz>  
**Sent:** 16 April 2015 22:18  
**To:** John Kinuthia  
**Subject:** RE: Invitation to review PROP-42136-SIP1-UOC [UNCLASSIFIED]



**MINISTRY OF BUSINESS,  
INNOVATION & EMPLOYMENT**  
HIKINA WHAKATUTUKI



Dear Professor Kinuthia

Thank you for agreeing to be a Science Peer Reviewer for the 2015 MBIE Science Investment Round.

We understand that in many countries payment is offered for peer review. However, the New Zealand MBIE cannot offer such an incentive. We would greatly value your services and expertise.

If you are still happy to be a reviewer for us we will contact you after 20 May with a link to the MBIE on-line Investment Management System (IMS) and a password to access the full proposal.

We appreciate that you are busy and are grateful for your support.

Yours sincerely,

Philip Mowles

*Sent by Thomas Nilsson (PhD) on behalf of*

**Philip Mowles**

National Manager Manufacturing and Resources  
Science, Skills and Innovation Group  
Ministry of Business, Innovation & Employment

---

## John Kinuthia

---

**From:** Balaqis Saud ALhinai <Balaqis.ALhinai@trc.gov.om>  
**Sent:** 05 January 2016 06:45  
**To:** John Kinuthia  
**Subject:** peer review for the research council Oman

Dear Dr. J.M. Kinuthia

After compliments

This letter is an invitation to participate in the online peer review process of a proposal titled **'Feasibility Studies on the Environment-friendly utilization of waste materials for the development of Sustainable Geotechnical Systems'** Submitted to The Research Council (TRC) of Oman.

I believe that this proposal is in your field of interest and I would greatly appreciate your help in evaluating this submission. Each of the proposals submitted to TRC is selected through a rigorous reviewing and screening process, with reviewers from industry, government and academia. Peer reviewing for TRC takes place on-line using a specially designed web-based communication forum.

Once TRC receives and accepts the review, the reviewer is offered a US\$150 honorarium check. Please let me know as soon as your time permits if you are able and willing to participate in the review process. If so, I will contact you again with further instructions on our process and software, and a more precise reviewing schedule your response and cooperation is highly appreciated.

Best Regards,



Balaqis Al Hinai, Research Assistant  
Environment and Bioresources Sector  
**The Research Council**  
P.O. Box 1422, Muscat 130  
Sultanate of Oman  
T: +968 24343353  
F: +968 24509820  
W: www.trc.gov.om

بالتفيس الهنائي، باحث مساعد  
قطاع البيئة والموارد الحيوية  
مجلس البحث العلمي  
ص.ب. 1422، مسقط 130  
سلطنة عمان  
هاتف: +968 24343353  
فاكس: +968 24509820  
الموقع: www.trc.gov.om



## John Kinuthia

---

**From:** tress@trc.gov.om  
**Sent:** 06 January 2016 04:07  
**To:** John Kinuthia  
**Subject:** [TRC-TRESS] Request to Review a Research Proposal

Wednesday, January 6, 2016

62 Woolaston AVENUE, LAKESIDE, CARDIFF CF23 6HA, UNITED KINGDOM

Dear John Kinuthia,

The Research Council (TRC) of the Sultanate of Oman is inviting you to review a research proposal titled 'Feasibility Studies on the Environment-friendly utilization of waste materials for the development of Sustainable Geotechnical Systems' which has been submitted to TRC for funding.

I believe that this proposal is in your field of interest and I would greatly appreciate your help in evaluating this submission.

You can login as a reviewer at the following url to view the proposal summary and take further actions.

<https://www.trc.gov.om/portal/sec/portal/default/TRESS>

When you visit the above website, you will find 'Login' link in the left menu of the page. Click that link, you will get the login page.

For login, your user-id is your email address (The same one where you got this email). You can get your password, by typing your email address in user-id/email address field and clicking 'Forgot Password' button. You will get an email containing your password.

Use this password to login from the login page. You can also change your password after login.

After login, you will get the list of assigned proposals to review and also your saved/completed reviews (if any).

I request your kind confirmation of acceptance or declination of this review before Thursday, January 14, 2016

If you accept, you can view the complete proposal and will have to fill and submit a review form. You are kindly requested to submit your review before Thursday, January 21, 2016 . Once The Research Council receives and accepts your review, we'd like to offer you a US\$150 honorarium check. By accepting to review this proposal, you are also declaring that you have no conflict of interest, in particular in relation to the team members included in this proposal. Your review will be shared with the team members, but kept strictly anonymous

If you are unable to review this proposal, I would appreciate your help by nominating someone who may review this proposal by sending his/her name and email address at the following email [tress@trc.gov.om](mailto:tress@trc.gov.om)

Thank you for any help you can give us in arriving at a fair evaluation of the proposal. The quality standards of the funding programs are to a large extent due to the efforts of our reviewers.

Sincerely,

Dr. Fahad Al Hosni  
Director of Research Administration  
The Research Council (TRC)  
P.O.Box 1422, PC 130, Al-Athaiba-Muscat  
Sultanate of Oman  
Office: : +968 24343325  
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e-mail : fahad.alhosni@trc.gov.om

## John Kinuthia

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**From:** Khaled Assaleh <kassaleh@aus.edu>  
**Sent:** 04 April 2016 15:10  
**To:** John Kinuthia  
**Subject:** Invitation to Review a Research Proposal

Dear Prof. John Kinuthia,

As part of its efforts to develop its research profile the American University of Sharjah ([www.aus.edu](http://www.aus.edu)) is running a competition for internally funded research grant awards, and is seeking qualified reviewers to provide objective evaluations of the submitted proposals. We believe that you are actively engaged in the specific area of the proposal (title and abstract below); therefore we would be most grateful if you would agree to review it. **As a gesture of our appreciation we are pleased to offer an honorarium of US\$150 for your review.**

If you accept, we will email you the proposal together with the evaluation form. We request that you send the review within three weeks from the date of receipt of the proposal.

We would appreciate receiving your response to this invitation by 10 April 2016.

**Proposal Title:** The use of lime to stabilize clay soils against internal erosion

**Abstract:**

Soil stabilization is a technique to alter the properties of weak soil by chemical or physical means to improve its engineering performance. Many materials and methods have been used to stabilize the soil such cement, lime, fly ash, bitumen, oil shale, some solid wastes as well as compaction, watering and dewatering, blasting and many other methods. These materials and methods are generally used in soil stabilization in order to increase its bearing capacity, weather resistance and reduce its expansion and compressibility. However, the author has not found in the literature any work of using lime to stabilize the soil against internal erosion. The main objective of this research is to investigate the potential use of lime as soil stabilizing agent against internal erosion of clayey cohesive soil. Internal erosion is a common phenomenon in hydraulic structures and it takes place when erosion resistance forces by soil become less than seepage forces by water. Failure due this phenomenon is considered as one of the most catastrophic failures in all engineering structures. To achieve the goal of this research, three types of clay soils will be selected and used. The selection of the clay soils will be based on the physical properties of the soils such gradation, clay content and consistency limits (Liquid limit and plastic limit). The three types of soils will be mixed with lime at five different percentages mainly; 2%, 4%, 6%, 8% and 10% by dry weight of the soil. The rate of erosion will be evaluated by conducting the Hole Erosion test on remolded specimens from the mix prepared in the standard compaction mold at 98% relative compaction and optimum moisture content to stimulate the standard field condition. Also identical specimens will be tested at three different curing times. The different erosion parameters of the soil such as friction factor, critical shear stress, coefficient of soil erosion, will be used to calculate the erosion rate index. The results of this research will be analyzed to investigate the potential use of lime as a new stabilizing agent against internal erosion of the cohesive soils.

Best regards,

-Khaled

**Khaled Assaleh, PhD**

Interim Vice Provost for Research and Graduate Studies

Professor of Electrical Engineering

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[http://www.aus.edu/site/custom\\_scripts/profile\\_details.php?profileID=48](http://www.aus.edu/site/custom_scripts/profile_details.php?profileID=48)

<http://scholar.google.com/citations?user=nq7m6zcAAAAJ&hl=en>

## John Kinuthia

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**From:** Anni Thomas <Anni.thomas@nrf.ac.za>  
**Sent:** 20 June 2016 16:14  
**To:** John Kinuthia  
**Subject:** Invitation to assess applications for IRG - South Africa / Austria Joint Scientific and Technological Cooperation Programme: Prof GM Wolfaardt

Dear Dr Kinuthia

The National Research Foundation (NRF) will like to request you to assist in evaluating the application submitted by Prof GM Wolfaardt, (Stellenbosch University) titled "Development of a methodology for evaluation the applicability of decentralised resources-oriented sa". Your evaluation will assist the NRF when making a decision on funding. In the process of identifying suitable reviewers for Prof Wolfaardt you were proposed as a possible reviewer.

Should you be willing to assist with this review, you can access the NRF on-line response system by clicking on [http://phoenweb.nrf.ac.za/FPF2/ReviewNRF.aspx?key=ER249251\\_1](http://phoenweb.nrf.ac.za/FPF2/ReviewNRF.aspx?key=ER249251_1) (if your email system makes this link clickable.) Alternatively please go to <http://phoenweb.nrf.ac.za/FPF2/ReviewNRF.aspx> and copy and paste the key value below into the space provided, then click on "Enter Review".

Key: ER249251\_1

If you are unable to assist, suggestions of other possible reviewers would be most welcome.

Kindly note that should you accept the NRF's invitation to participate in this review you will be required to read and accept the Confidentiality Agreement and Conflict of Interest documentation and we would request that you complete the review by no later than 04 Jul 2016.

The review form consists of a descriptive assessment of the scientific quality of the application. Please score each section according to the scale provided. Once you are satisfied with your review, you can submit your review to the NRF.

Thank you for giving this request your attention. I look forward to hearing from you soon.

With kind regards

Anni Thomas

Professional Officer

IRG - South Africa / Austria Joint Scientific and Technological Cooperation Programme



## John Kinuthia

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**From:** Tore Søliland <tso@forskningsradet.no>  
**Sent:** 11 October 2016 12:35  
**To:** John Kinuthia  
**Cc:** Eivind Hoff-Elimari  
**Subject:** Invitation to serve as an external expert for the Research Council of Norway  
**Attachments:** NOK 107 million call for research for the transition to a sustainable, low-emission society.pdf

Dear Professor Kinuthia,

The Research Council of Norway have just begun to process applications to our NOK 107 million (~GBP 10 million) call for research for the transition to a sustainable, low-emission society (see attachment for thematic guidelines). We have one application regarding *the use of calcined Norwegian clay in the building industry. The project aims to determine the potential for calcined clay as an alternative construction material in Norway to reduce CO2 emissions. The project will do this by confirming the technical viability of clay as a building material and understanding both the geological impacts of clay extraction and the psycho-social drivers and barriers faced by calcined clay within the value chain.* Would you be available to serve as an technical external expert to advice an expert panel assessing this application?

I hope this is of interest to you. If so, the next step would be to send you the project summary as well as details on the consortia, on the basis of which you would indicate your level of expertise and report any conflicts of interest.

Your project evaluation will be appreciated within end of October.

A list of the referee panels and names of the expert referees in the respective panels will be published on the Research Council's website.

Remuneration will be provided for referee services in accordance with the Research Council's established rates.

Thank you for your attention!

Best regards,

**Tore Søliland**  
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Department for Climate and Polar Research  
Division for Energy, Resources and the Environment  
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