

CURRICULUM VITAE

1.0 PERSONAL INFORMATION

NAME: CHARLES OTIENO ONINDO
B.Ed (Nbi), M.Sc.(Kenyatta), Ph.D (Leeds, UK)

ADDRESS : Department of Chemistry, Kenyatta University,
P.O. Box 43844 GPO, Nairobi, Kenya.

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NATIONALITY : Kenyan
GENDER : Male
MARITAL STATUS : Married

2.0 QUALIFICATIONS

2.1 *Academic Qualifications*

- 1995: PhD in Chemistry, University of Leeds, UK
- 1988: MSc (Chemistry), Kenyatta University
- 1985: BEd(Science), University of Nairobi
- 1980: KACE (A-level), Menengai High School
- 1978: EACE, Gendia Secondary School

2.2 **Other Courses**

- 2016: Beyond Management To Leadership, Kenyatta University
- 2013: Training of Academic Members of Staff on New Teaching Methods organized by the Centre for Teaching Excellence and Evaluation, Kenyatta University held on 15th – 18th July, 2013.
- 2013: Training on Root Cause Analysis (RCA) for Departmental Quality Teams held at BSSC, Kenyatta University on 28th February 2013 and 20th March 2013.
- 2012 Monitoring and Evaluation for quality assurance, Regional Centre for Capacity Development, Kenyatta University, 26-27 January 2012 (Certificate)
- 2005 Project Management and the Logical Framework Analysis (LFA), Cape Town, South Africa, 4th to 8th April 2005. (Certificate)
- 2005 Strategic Planning, 12th to 13th May, Steadman Trains Ltd, Nairobi (Certificate)
- 2005 Leadership Development Skills, Steadman Trains Ltd, Nairobi (Certificate)
- 2005 Human Rights based Planning, 18th to 22nd July, KNCHR, Nairobi

3.0 EMPLOYMENT HISTORY

- November 2015 to date Associate Professor, Department of Chemistry, Kenyatta University
- July 1999 to November 2015: Senior Lecturer, Department of Chemistry, Kenyatta University
- February 1990 to July 1999: Lecturer, Department of Chemistry, Kenyatta University
- November 1988 to February 1990 Tutorial Fellow, Department of Chemistry, Kenyatta University
- March 1988 to August 1988 Assistant Lecturer, Department of Physical Sciences, Egerton University
- September, 1988 to October, 1988 Graduate Assistant, Department of Chemistry, Kenyatta University
- July, 1985 to July 1988 Graduate Teacher, TSC

4.0 ADMINISTRATIVE RESPONSIBILITIES

4.1 At Kenyatta University

- January 2016: Chairman, Board of the Centre for International Programmes and Collaboration (CIPC)
- January 2016: Member, Aids Control Unit Board
- August 2015: Member, Strategic Planning Sub-Committee on the Chapter on Student Focus
- May 2011 to May 2017: Deputy Director, Student Affairs, Main Campus.
- April 2013 to January 2019: Chairman, Disability Services Board,
- February 2011: Chairman, Kenyatta University-Dow Company Collaboration Proposal Writing Team
- 2009 to date: Member, Disability Services Board,
- June 2011: Member, Regional Centre for Capacity Development
- September, 2010: Member, Kenyatta University Growing Leaders Program Initiative,
- October, 2010: Appointed as trainer of the Zain Africa Challenge Team
- 2008: Member, KU Website Development Committee,
- 2008 to date: Member, Committee Organizing Kenyatta University Disability Day, 2008
- August 2006 to January 2007: Deputy Dean of Students – Ruiru/Parklands,
- August 2003 to August 2006: Warden, Nyayo 3 and Nyayo 4 Hostels, Kenyatta University
Chairman, University Time-tabling committee

4.2 At School Level

- 1999 to 2003: Member School Board of Postgraduate Studies
- 2002-2006: Editorial committee, East African Journal of Science

2010 Member, Strategic Planning Committee
Examinations coordinator

4.3 **At Departmental Level**
Chairman Strategic Planning Committee, Facilitated the writing of Chemistry
Department Strategic Plan: 2007-2012
Member Academic Board
Member Board of Postgraduate Studies Committee
Member Seminar Committee
Member Budgetary Committee
Treasurer Social Welfare Committee
Chairman Research Coordination Committee

5.0 POSTGRADUATE SUPERVISION

5.1 PhD Supervision

- NYANGASI LEAH (I84/25950/2013)(KU 2018). Synthesis, characterization and evaluation of Pd–nanoparticles supported on titaniananofibers as catalysts heck reactions
- WAMBU ENOS WAMALWA (I84/12777/2009)(KU 2015). Fluoride levels in water sources of Gilgil area in Kenya: Defluoridation using locally available geomaterials.

5.2 Masters Supervision

- OMOGO LINUS OWINO (I56/CE/26146/2011) (KU 2019) Determination of mineral nutrients levels and growth rate in vegetables grown using organic water hyacinth compost and inorganic fertilizer.
- OKOTH ODHIAMBO MARKUS (I56/CE/21449/12) (KU 2017). Thermo-chemical characteristics of peat as a potential gasifier fuel in the Lake Victoria basin
- WARUI KARIUKI STEPHEN (I56/CE/22243/10).(KU 2015) Distribution and Beneficiation of Titanium ores in Mbeu area, Meru County, Kenya.
- MOSIORI GEOFFREY OSORO (I56/20046/2010)(KU 2013) Investigation on thermo-chemical characteristics of potential gasifier fuels in selected regions of the lake Victoria basin
- Masime, Jeremiah Odhek (I56/7344/2002) (KU 2013) Analysis of the levels of arsenic, nitrate, nitrite and phosphate in home made brews, spirits, tap water and in raw materials in Nairobi County.
- FLORENCE WAMWITHA MURAGURI (I56/10704/06)(KU 2012). Seasonal variation of selected water quality parameters and speciation of copper in Ruiru river, Kenya.
- G MURITHI LEONARD (I56/10648/06) (KU 2010). The water hyacinth *Eichorniacrassiper* as a biosorbent for cadmium II and lead II removal: Kinetics and equilibrium studies

- WEKESA ISAAC MASIKA (I56/7792/02) (KU 2009). Equilibrium studies of solutions containing copper II ions and some selected organic ligands from effluents of Kenya Coffee Industry.
- ISAAC WAWERU MWANGI (KU 2007). Environmental impact assessment on the use of copper based fungicides in coffee farms along Kamiti river.
- ANDALA M. DICKSON (KU 2005). A study of the Reactions of Molybdenum II halocarbonyls $[\text{Mo}(\text{CO})_4\text{X}_2]$ ($\text{X}=\text{Cl}, \text{Br}$) with piperazine $\text{C}_4\text{H}_{10}\text{N}_2$. (MSc 2005)
- NJAGI NJOMO (KU 2003). The Determination of Stability Constants of Cadmium Complexes with Selected Ligands and Modelling the likely Speciation of Cadmium in Lake Bogoria, Kenya
- MUHAVINI CLEOPHAS WAWIRE (KU 2002). Speciation of lead and cadmium in fresh tobacco and its products .
- MACHARIA KIBE GODFREY (KU 2000). A new azoalkylisothiuronium salt and hydrolysis of its
- NDINYA B. ELIZABETH (KU 1997) Voltammetric Study of Lead Speciation in a Tropical Freshwater Environment (LakeBaringo)

6.0 CONFERENCES/SEMINARS/WORKSHOPS

6.1 Participation in Workshops, Conferences, Seminars and Symposia

- 2019: Collaboration for Entrepreneurial Universities (CEPU) “The study tour on start-up development” 23 - 29 June 2019, Leipzig, Germany.
- 2019: Collaboration for Entrepreneurial Universities (CEPU) Workshop “Leadership and Strategy Development” 1 October 2019, Kenyatta University, Kenya.
- 2019: Collaboration for Entrepreneurial Universities (CEPU) Workshop “Leadership and Strategy Development” 12-14 February 2019, Kenyatta University, Kenya.
- 2018: Pan Africa Chemistry Network Congress “Managing resources through chemistry: Wealth not waste” 6-8 November 2018, University of Nairobi, Kenya
- 2016: The Kenya Chemical Society, Nairobi Chapter Symposium “Chemistry for Sustainable Development” 23rd April, USIU-A, LT4-Science Centre.
- 2015: The Kenya Chemical Society, 8th International Conference, 5th -8th May, 2015, University of Nairobi, College of Biological and Physical Science, Millennium Hall.
- 2014: The Kenya Chemical Society, Nairobi Chapter, Kenyatta University
- 2013: IUCEA (VicRes) Natural resource management and ethnobotany and health cluster workshop 7th – 12th April 2013, Mukono, Uganda
- 2013: The Kenya Chemical Society Workshop, TUK, Nairobi, Kenya.
- 2012: Adaptation of gasification technology for modern energy production in the Lake Victoria basin Stakeholder’s workshop, Utalii Hotel, Nairobi, 15th - 17th March, 2012
- 2012: A one day Workshop organized by the Office of the Dean of Students held at KUCC on 22nd August, 2012.

- 2012: The Inaugural Conference on Nanotechnology and Material Science in Kenya, Kenyatta University Conference Centre, 18th -20th July 2012
- 2012: Kenya Chemical Society – Nairobi Chapter Workshop held at Jomo Kenyatta University of Agriculture and Technology held on 25th August, 2012
- 2012: The Scientific Novartis Seedings Labs Seminar by Dr. Heather Burks and Dr. Lewis Whitehead held at the BSSc, Kenyatta University on 7th February, 2012.
- 2011: The Kenya Chemical Society Workshop to be held on 27th August at Chiromo Campus, University of Nairobi.
- 2011: Training workshop-PHEA-ETI Project 4, Digitization, animation and Simulation of Chemistry and Communication Skill modules, BSSC, 9th – 13th May 2011
- 2011 IUCEA, 1st VicRes Biennial Forum, Kampala, Uganda, 9th to 12th October, 2011 April
- 2010: Kenya Chemical Society Conference held at Kenyatta University on 24th April 2010.
- 2010: Scientific Workshop on Africa's Water Quality: A Chemical Perspective organized by the Pan Africa Chemistry Network at Chiromo Campus, University of Nairobi, on 26th March, 2010
- 2009 Pan Africa Chemistry Network, Sustainable Water Conference, Nairobi 25th – 28th August
- 2009 Pan Africa Chemistry Network workshop. Green chemistry and sustainability.
- 2008 The Kenya Chemical Society Workshop, 30 August. Kenyatta University.
- 2008 20th ICCE Satellite Workshop 'The Relevance of Chemistry in a Global Society' 11-12 August. University of Nairobi
- 2008 Vicres proposal writing workshop, Jinja, Uganda 16 – 22nd March 2008.
- 2006 The Kenya Chemical Society, 5th International Conference, Kenyatta University, 22th – 26th August
- 2005 UN Convention on Persons with Disabilities – 24th January to 4th February 2005, United Nations Plaza, New York
- 2005 Logical Framework Analysis (LFA), Cape Town, South Africa, 4th to 8th April 2005.
- 1992 'Data Analysis in Electroanalytical Chemistry' 24 – 25 March The Royal Society of Chemistry The University of Newcastle, United Kingdom.

6.2 Presentation of Papers at Academic and Professional Conferences

- 2013 Thermo – chemical characteristics of potential gasifier fuels in selected regions of the lake Victoria basin, VicRes, Mukono, Uganda, 7th to 11th April
- 2009 The water hyacinth *Eichhorniacrassipies* as a biosorbent for lead (II) removal: Kinetic and equilibrium studies, University of Nairobi, 25th – 28th August.

- 2006 Andala M.D, Muriithi N and Onindo C.O. The reaction of molybdenum halocarbonyl complexes $[\text{Mo}(\text{CO})_4\text{X}_2]_2$, with selected tertiary alkylamines. In: *Proceedings of the 5th Kenya Chemical Society International Conference*, Nairobi, Kenya.
- 2002 *Thermodynamic Modelling of the Equilibria of Lake Baringo, Kenya*, The Kenya Chemical Society 4th International Conference, August 19th – 23rd, Egerton University, Njoro, Kenya
- 1995 *The Influence of Aspartic or Glutamic acid Residues in Tetrapeptides in Tetrapeptides on the Formation of Complexes with Nickel (II) and Zinc (II)*, presented at Kenyatta University, Chemistry Department
- 1994 *An Assessment of the Possible Equilibria in Lake Baringo, Kenya*, presented at the University of Leeds postgraduate seminar.

6.3 Convening and Coordinating Conferences

- 2006: Treasurer and Members of the organizing Committee: The Kenya Chemical Society, 5th International Conference 22nd – 26th August 2006, Kenyatta University
- February, 2013: Organized and Coordinated the DSA Workshop on Induction for Wardens held at KUCC on 20th February, 2013.
- August, 2012: Organized and coordinated the DSA Workshop on Revised Strategic Plan, Departmental and Work Instructions held on 22nd August, 2012.

7.0 RESEARCH AND PUBLICATIONS

Authored with students/Kenyan

- I. W. Mwangi, G. K. Muthakia, C. O. Onindo, H. Nyambaka and J. C. Ngila (2014). Determination of levels of copper in kamiti river along coffee farms In Kiambu, Kenya. *Journal of Agriculture, Science and Technology*, 16(2), 95-108. ISSN: 2249-5894
- C.O.Onindo and I.W.Mwangi (2012). Thermodynamic modelling of the equilibria in Lake Baringo, Kenya. *Journal of Agriculture, Science and Technology*, 14(2), 104-113.

Authored with students/International

- Bonface Juma Wafula, Eric Masika and Charles Onindo (2020). ZnO Nanoparticles (ZnO-NPs): Synthesis Using *Tithonia diversifolia*, Characterization and in-vitro Antimicrobial Bioassays, **IOSR Journal of Applied Chemistry (IOSR-JAC) e-ISSN: 2278-5736. Volume 13, Issue 8 Ser. I (August. 2020), PP 14-21**
- Abunah D, Onindo C, Andala D, Ochoti E (2019). Physico-chemical removal of heavy metals from contaminated water using recyclable montmorillonite

cellulose nanocomposite, **J. Mater. Environ. Sci.**, 10(12), pp. 1349-1361(ISSN : 2028-2508 CODEN : JMESCN)

- Amayi James, Kituyi Lusweti, Onindo Charles and Oluchina Sherry (2018), Chemical Speciation, Stability and Toxicity of Sulphate and Phosphate Salts of Copper, **African Journal of Education, Science and Technology, Vol 4, No. 3**
- Nyangasi L, Andala D, Onindo C *et al.* Processing parameters for electrospinning poly(methyl methacrylate) (PMMA)/titanium isopropoxide composite in a pump-free setup [version 1; referees: awaiting peer review]. *AAS Open Res* 2018, 1:27 (<https://doi.org/10.12688/aasopenres.12909.1>)
- Leah O. Nyangasi, Dickson M. Andala, Charles O. Onindo, Jane C. Ngila, Banothile C. E. Makhubela and Eric M. Ngigi (2017) Preparation and Characterization of Pd Modified TiO₂ Nanofiber Catalyst for Carbon–Carbon Coupling Heck Reaction. *Journal of Nanomaterials*, Article ID 8290892, 13 pages <https://doi.org/10.1155/2017/8290892>
- Enos W. Wambu, Willis O. Ambusso, Charles Onindo, Gerald K. Muthakia (2016), Review of fluoride removal from water by adsorption using soil adsorbents – an evaluation of the status, **Journal of Water Reuse and Desalination**, 6 (1) 1-29; DOI: **10.2166/wrd.2015.073**
- Mosiori GO, Onindo CO, Mugabi P, Tumwebaze SB, Bagabo S, Johnson RB. (2015). Characteristics of potential gasifier fuels in selected regions of the Lake Victoria Basin. *S Afr J Sci.*;111(5/6), Art. #2014-0151, 6 pages. <http://dx.doi.org/10.17159/sajs.2015/20140151>
- Nasiebanda Roselyne, Charles O. Onindo, Harun M. Mbuvi (2014). Speciation of cadmium and lead in garage soils from Ngara- Nairobi and their Levels in nearby vegetables and water. *International Journal of Physical and Social Sciences* 4(3), 89-100, Online ISSN : 2249-5894.
- Genson Murithi, Charles O. Onindo, EnosWamalwaWambu, Gerald K. Muthakia(2014). Removal of Cadmium(II) Ions from Water by Adsorption using Water Hyacinth (*Eichhorniacrassipes*)Biomass*BioResources* 9(2), 3613-3631.
- E W Wambu, C.O.Onindo, W Ambusso, GK Muthakia (2013). Removal of fluoride from aqueous solutions by adsorption using a siliceous minerals of a Kenyan origin, *CLEAN-Soil, Air, Water* 41(4), 340-348. (DOI: **10.1002/clen.201100171**)
- Naftali T. Muriithi, Charles O Onindo, Harun M Mbuvi and Dickson M Andala (2013).Oxidation of cyclic amines by molybdenum(II) and tungsten(II)Halocarboxyls, [M(CO)₄X₂]₂ (M = Mo, W; X = Cl, Br),*Bull. Chem. Soc. Ethiop.* 2013, 27(2), 233-239, DOI: <http://dx.doi.org/10.4314/bcse.v27i2.8>
- Jeremiah O. Masime, Ruth Wanjau, Charles Onindo (2013). Determination of the levels of nitrite in homemade brews, spirits and raw materials used using uv – visible spectroscopy in Nairobi County. *International Journal of Advancements in Research & Technology*, 2(7),461. ISSN 2278-7763 Copyright © 2013 SciResPub. *IJOART*
- Masime Jeremiah, Wanjau Ruth, Murungi Jane, Onindo Charles (2013). A Comparison of the Levels of Nitrate, Nitrite and Phosphate in Homemade brews,

- Spirits, in Water and Raw Materials in Nairobi County Using UV-Visible spectroscopy . *International Journal of Scientific and Engineering Research* 12 (4) :329 - 344.
- Masime Jeremiah, Wanjau Ruth, Murungi Jane, Onindo Charles (2013). Analysis of the levels of arsenic in home-made brews, spirits, in water and raw materials using Hgaas in Nairobi county. *African Journal of Pure and Applied Chemistry*. ; 7:291-301
 - Masime Jeremiah, Wanjau Ruth, Murungi Jane, Onindo Charles (2013). A Research Paper On The Analysis Of The Levels Of Nitrate In Homemade Brews, Spirits, In Water And Raw Materials In Nairobi County. *International Journal of Scientific & Technology Research* ; 2(6):14 - 19
 - Masime Jeremiah O, Wanjau Ruth, Murungi Jane, Onindo Charles (2013). Determination of the levels of nitrate in homemade brews, spirits, in water and raw materials in Nairobi County using UV-visible spectroscopy. *International Journal of Scientific & Engineering Research*; 4(8): 1863-1872.
 - EW Wambu, CO Onindo, W Ambusso, GK Muthakia (2013). Equilibrium Studies of Fluoride Adsorption onto a Ferric Poly-mineral from Kenya. *Journal of Applied Sciences and Environmental Management* 16(1),69-74. ISSN 1119-8362
 - Genson Murithi, Charles. O. Onindo and Gerald. K. Muthakia (2012). Kinetic and equilibrium study for the sorption of Pb(II) ions from aqueous phase by water hyacinth (*Eichhorniacrassipes*), *Bull. Chem. Soc. Ethiop.*, 26(2), 181-193. ISSN 1011-3924 DOI: <http://dx.doi.org/10.4314/bcse.v26i2.3>
 - E.W. Wambu, C.O. Onindo, W.J. Ambusso, G.K. Muthakia (2012) Fluoride Adsorption onto an Acid Treated Lateritic Mineral from Kenya: Equilibrium Studies, *African Journal of Environmental Science and Technology*, 6(3), 160-169, (<http://www.academicjournals.org/AJEST>) DOI: 10.5897/AJEST11.259 ISSN 1996-0786)
 - SKUDI, J.B., WANJAU, R., MURUNGI, J., ONINDO, C.O., (2011). Alum treated grey water for toilet flushing, mopping and laundry work. *Hydrol Current Res* 2:114. Doi:10.4172/2157-7587.1000114.
 - WAMBU, ENOS W., ONINDO, CHARLES O., AMBUSSO, ., WILLIS J., MUTHAKIA, GERALD K. (2011) Fluoride Adsorption onto Acid-Treated Diatomaceous Mineral from Kenya, *Materials Sciences and Applications*, 2, 1654-1660 doi:10.4236/msa.2011.211220 Published Online November 2011 (<http://www.SciRP.org/journal/msa>) Copyright © 2011 SciRes. MSA

Individual/International

- ONINDO CHARLES OTIENO (2003). Potentiometric study of complexes formed between (s)- α -amino-3-hydroxy-5-methyl-4-isoxazolepropanoic acid and some transition metal ions, *Bulletin of the Chemical Society of Ethiopia*, 17(1), 45-51. ISBN/ISSN 1011-3924

Joint/Kenyan

- C. ONINDO AND L. D. PETTIT (1999). Equilibrium Studies of Solutions Containing Cu(II), Cd(II), or Pb(II) and Phosphate, Tricarballic acid, Catechol

and Glycine. *The Journal of Kenya Chemical Society* (1999). ISBN/ISSN 1811-5934

Earlier Publications

- TATIAN YU SLIVA, TERESA KOWALIK-JANKOWSKA, VLADIMIR M. AMIRKHAPOV, TADEUSZ GLOWIAK, CHARLES O. ONINDO, IGOR O. FRITSKY AND HENRYK KOZLOWSKI (1977). **Oxime Analogs of Amino Acids and Peptides Are Efficient Ligands for Ni(II) Ions**, *Journal of Inorganic Biochemistry*, 65, 287 – 294
- CHARLES O. ONINDO, TATIAN YU SLIVA, TERESA KOWALIK-JANKOWSKA, IGOR O. FRITSKY, PETER BUGLYO, LESLIE D. PETTIT, HENRYK KOZLOWSKI AND TAMAS KISS (1995). **Copper (II) co-ordination by Oxime Analogues of Amino Acids and Peptides**, *J. Chem. Soc. Dalton Trans*, 3911
- H. KOZLOWSKI, A. LEBKIRI. C. O. ONINDO, L. D. PETTIT AND J-F GALEY (1995). **The Influence of Aspartic or Glutamic acid Residues in Tetrapeptides on the Formation of Complexes with Nickel (II) and Zinc (II)**, *Polyhedron*, 14(2) 211 – 218.
- TERESA KOWALIK-JANKOWSKA, C. O. ONINDO, H. KOZLOWSKI, L. D. PETTIT, L. LANKIEWICZ, M. JASIONOWSKI (1995). **Specific Binding of Cu(II) Ions by Leucine Enkephalin Analogues**, *J. Inorg. Biochem.*, 60, 21– 29.
- C. ONINDO AND H. M. THAIRU (1993). **Determination of Water Transport Numbers in Cation Exchange Membranes Using Streaming Potential Measurements**, *International Journal of BioChemPhysics*, 2(1 and 2) 125.

CHAPTERS IN BOOKS and Related

Contributing author: SolEq: CD-ROM based tutorials for equilibria in solutions available from: <http://www.acadsoft.co.uk>

7.2 Articles in Conference Proceedings

- 2009: Onindo C.O. The water hyacinth *Eichhorniacrassipies* as a biosorbent for lead (II) removal: Kinetic and equilibrium studies. Pan Africa Chemistry Network, Sustainable water conference, Nairobi.
- 2006: Andala M.D, Muriithi N and Onindo C.O. The reaction of molybdenum halocarbonyl complexes $[\text{Mo}(\text{CO})_4\text{X}_2]_2$, with selected tertiary alkylamines. *The 5th Kenya Chemical Society International Conference*, Nairobi, Kenya.

8.0 NETWORKING AND COLLABORATION WITH EXTERNAL ORGANIZATIONS

- Collaborated with School of Forestry, Environmental and Geographical Science, Makerere University, Uganda National Council for Science and Technology and National University of Kigali, Rwanda – Through VicRes Research Program
- Member of Taskforce on Training for an effective 21st Century Public Service, Ministry of State for Public Service

- Initiated MoU between Kenyatta University and South Nyanza Sugar Company Ltd
- Chaired committee for collaboration proposal between Kenyatta University and Dow Chemicals (EA) Ltd

9.0 EXTERNAL AND INTERNAL GRANTS

- 2011-2014: Part of a team awarded USD 599,948 by The Inter-University Council for East Africa(IUCEA) through the Lake Victoria Research (VicRes) for the Project, entitled, “*Adaptation of gasification technology for modern energy production in the Lake Victoria*”
- **Student Grants**
2013/2014: NACOSTI/ST&I 5th Call PhD/043, Leah Nyangasi (1,150,000/=), Synthesis, characterization and evaluation of Pd-Nanoparticles supported on titania nanofibre or catalysts for heck reactions.

10.0 LOCAL, REGIONAL & INTERNATIONAL APPOINTMENTS

10.1 External examiner in other universities

- 2018 to date Department of Chemistry, University of Nairobi
- 2009-to 2016: Department of Physical Sciences, **Masinde Muliro University of Science & Technology**, Kakamega, Kenya
- 2009-to date: Department of Chemistry, **Egerton University**, Njoro, Kenya
- Routinely Examined Thesis from Egerton, Kisii and Masinde Muliro Universities

10.2 Review of professional periodicals

Reviewer, Journal of the Kenya Chemical Society
Reviewer, Bulletin of the Chemical Society of Ethiopia

10.3 Appointment to Boards

- 2019 MEMBER BoM, Kanga High School
- 2004 to 2009 **CHAIRMAN** – National Council for Persons with Disabilities – Ministry of Gender and Children Affairs
- 31st May 2006 to date **MEMBER**– BoM Kanyawanga High School,
- 2008 to date **MEMBER**- BoG Kuja School for the Deaf,

11.0 COMMUNITY OUTREACH

- Life Member of the Association of the Physical Disabled of Kenya (APDK)
- Member of Kenyatta University Seventh Day Adventist Church (2014/2015 Chairman of the Building Committee)

12.0 LOCAL/NATIONAL /REGIONAL/INTERNATIONAL RECOGNITION

- Between 2004 and 2009 appointed **Chairman** – National Council for Persons with Disabilities – Ministry of Gender and Children Affairs
- Kenyatta University Examination Board Member to various Kenyatta University Master and PhD thesis defence meetings.
- Appointed by Dean SPAS to Chair Defences for Graduate Students of the School of Pure and Applied Sciences on several occasions
- Reviewer, Journal of Kenya Chemical Society.
- Membership to Editorial Board, East African Journal of Physical Sciences

13.0 ACADEMIC LEADERSHIP

- Involved in the digitization of online chemistry course – SCH101 Introduction to Physical Chemistry
- Contributed to the review and development of academic programmes for undergraduate and postgraduate programmes in the department of Chemistry.
- Contributed to the developing of BSc (Analytical Chemistry), BSc (Industrial Chemistry) and BSc (Industrial Chemistry and Management) and BSc (Analytical Chemistry and Management)
- Involved in Curriculum review of Physical Chemistry and related courses for both undergraduate and postgraduate programmes
- Facilitated the writing of Chemistry Department Strategic plan- 2007-2012

14.0 OTHERS

14.1 Contribution to University Advancement

- Through quality teaching and research work
- As a Deputy Director of Students Affairs (Main Campus) contributed towards smooth running of the office of the Director of Students Affairs with respect to the provision of quality welfare services
- Initiated and contributed towards the developed the Strategic Plan (2012 –2015) for the Office of the Director of Student Affairs.
- As Chairman of the Disability Services Board, contributed in the formulation of the University’s Disability Policy. Its implementation will enhance access to University education to students with special needs.

14.2 Membership of Professional Bodies

2004: Invitation/ Admission to the Membership of the **Kenya National Academy of Sciences (KNAS)**

1998 to date: Member/ Treasurer of the **Kenya Chemical Society (KCS)**

15.0 REFEREES

1. Dr Richard Musau
Department of Chemistry
Kenyatta University

musau.richard@ku.ac.ke

2. Prof. Hudson Nyambaka
Department of Chemistry
Kenyatta University
nyambaka.hudson@ku.ac.ke
3. Dr. Edwin Gimode,
Director, Student Affairs
dean-sa@ku.ac.ke