

Curriculum Vitae

Prof. Justus O. Inyega, PhD, MKNAS
Professor, Science Education,
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FACULTY OF EDUCATION
Director of Research, Centre for Pedagogy and Andragogy (CEPA)

UNIVERSITY OF NAIROBI

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Academic and Professional Qualifications

- 2005 (May) Ph. D., Science Education, University of Georgia, U.S.A
Title of Dissertation Study: *A Multi-Site Analysis of Secondary School Chemistry Teachers' Practices and Experiences following Professional Development in Kenya.*
Major Professor: Dr. Norman Thomson; Graduate Committee Members: Drs. Mary M. Atwater, Judith Preissle, Malcolm, B. Butler, and Lynn A. Bryan.
- 2005(May) Graduate Certificate, Interdisciplinary Qualitative Studies, University of Georgia, U.S.A.
- 1998 Certificate in Chemical Education, Hiroshima University, Japan
- 1998 Certificate in Project Cycle Management, Japan International Cooperation Agency (JICA), Tokyo, Japan.
- 1997 M. Ed., Educational Administration, Kenyatta University, Nairobi, Kenya
Thesis title: *Primary School Administrative Constraints with Special Reference to Headteachers' Kisii District Case Study.* Supervisors: Dr. N. M. Karagu and Dr. F. Muchira.
- 1994 M. Ed., Science Education, University of Leeds, United Kingdom
Thesis title: *Assessment of Students during Teaching Practice at Kenya Science Teachers College, Nairobi-Kenya*
Major Professor: Geoff Welford.
- 1990 B. Ed (Primary Option), Second Class Honours, Upper Division
(Chemistry major, minor in mathematics), Kenyatta University, Nairobi, Kenya.
- 1983 Dip. Sc. Ed. (Pass with Credit), Chemistry, Mathematics and Physical Education, Kenya Science Teachers' College, Nairobi, Kenya.
- 1980 Kenya Advanced Certificate of Education (KACE), Njumbi High School, Murang'a, Kenya.
- 1978 East African Certificate of Education (EACE, Division One), Sameta Secondary School, Kisii, Kenya.
- 1974 Certificate of Primary Education (CPE), Nyamagwa, S.D.A. Primary School, Kisii, Kenya.

Work Experience

- 2023 to date Professor, Science Education, Department of Educational Communication, Technology and Pedagogy Studies, University of Nairobi
- Postgraduate Courses Taught:***
- TCT 604: Pedagogy and Andragogy
 - TEC 604: Research methods in education
 - TEC 607: Pedagogy in early years' education
- Undergraduate Courses Taught:***
- TEC 305: Methods of teaching science
 - TEC 313: Practicum
 - TEC 408: Research Methods
 - TEC 411: Research project
 - TCT102: Instructional methods
 - TCT 332: Subject methods (Chemistry)
- 2017 to 2023 *Associate Professor*, Science Education, Department of Educational Communication, Technology and Pedagogy Studies, University of Nairobi
- Postgraduate Courses Taught:***
- TCT 604: Pedagogy and Andragogy
 - TEC 604: Research methods in education
 - TEC 607: Pedagogy in early years' education
- Undergraduate Courses Taught:***
- TEC 207: Science for pre-school
 - TEC 305: Methods of teaching science
 - TEC 313: Practicum
 - TEC 408: Research Methods
 - TEC 411: Research project
 - TEC 410: Teaching Practice (ECE)
 - TCT 340: Teaching practice I
 - TCT 341: Teaching practice II
 - TCT102: Instructional methods
 - TCT 332: Subject methods (Chemistry)
- 2013 to 2017 *Senior Lecturer, Science Education*
Department of Educational Communication and Technology, School of Education, College of Education and External Studies, University of Nairobi
- Postgraduate Courses Taught:***
- TEC 604: Research methods in education
 - TEC 614: Science, mathematics and early childhood development
 - TCT604: Pedagogy and Andragogy
- Undergraduate Courses Taught:***
- TEC 207: Science for pre-school
 - TEC 305: Methods of teaching science
 - TEC 313: Practicum
 - TCT 340: Teaching practice I
 - TCT 341: Teaching practice II

	<ul style="list-style-type: none"> • TEC 411: Research project • TCT102: Instructional methods • TCT 332: Subject methods (Chemistry) • HNS 301: Educational communication and technology
2008 to 2012	<p><i>Lecturer, Science Education</i> Department of Educational Communication and Technology, School of Education, College of Education and External Studies, University of Nairobi</p> <p><i>Postgraduate Courses Taught:</i></p> <ul style="list-style-type: none"> • TEC 604: Research methods in education • TEC 612: Curriculum development and implementation • TEC 614: Science, mathematics and early childhood development • HNS 660: Nursing education • LDP 603: Research methods <p><i>Undergraduate Courses Taught:</i></p> <ul style="list-style-type: none"> • TEC 207: Science for pre-school • TEC 305: Methods of teaching science • TEC 313: Practicum • TEC 408: Educational research • TEC 411: Research project • TCT 102: General teaching methods • TCT 310: Methods of teaching agriculture • TCT 331: Subject methods (Biology) • TCT 332: Subject methods (Chemistry) • TCT 340: Teaching practice I • TCT 341: Teaching practice II • HNS 301: Educational communication and technology <p><i>Diploma Courses Taught:</i></p> <ul style="list-style-type: none"> • TEC 015: Science in early childhood education • TEC 025: Research methodologies
August 2007 to Jan. 2008	<p><i>Principal Lecturer, Department of Applied Sciences</i> The Kenya Polytechnic, Nairobi, Kenya.</p>
August 2007 to Dec.2007	<p><i>Part-time Lecturer: Methods of teaching science and Research Methods in education, undergraduate courses,</i> Tangaza College, Nairobi, Kenya.</p>
April 2007 to Nov. 2007	<p><i>Part-time Lecturer (science education courses)</i> Department of Educational Communication and Technology College of Education and External Studies, University of Nairobi</p>
August 2006 to July 2007	<p><i>Senior Lecturer/Science Education Specialist</i> Centre for Mathematics, Science and Technology Education in Africa (CEMASTE), Nairobi, Kenya.</p>

- August 2005 to July, 2006 *Academic Professional in Science Education, and Program*
Director, Professional Alternative Certification for Secondary Science
(PACSS) Teachers, Department of Mathematics and Science Education,
University of Georgia at Gwinnett, U.S.A
- Administrative work (51%): Coordinated the science education program, and was in charge of student recruitment, advisement, procurement of materials for the program, and supervision of school-based student internships.
 - Teaching science education courses to undergraduate and graduate students and classroom science teachers (49%): Methods of science teaching, Curriculum in science education, Philosophy and leadership of science education in classroom practices.
- Sept. 2001 to May 2005 *Teaching/Research Assistant*
Department of Science Education, University of Georgia, U.S.A
- Teaching Assistant, Gwinnett University Center, University of Georgia (2004/2005)
 - Teaching Assistant, Gwinnett University Center, University of Georgia (2003/2004)
 - Research assistant for Dr. Thomas Koballa, Jr., Professor and Head, Science Education Department, University of Georgia. Dr. Koballa was involved in research on mentoring of beginning high school physical science teachers in the State of Georgia (2003/2004)
 - Teaching/Research Assistant for Dr. Norman Thomson, who was involved in professional development programs for science teachers in the State of Georgia and research on
 - Indigenous Science Knowledge in Kenya, Department of Science Education, University of Georgia (2002/2003)
 - Teaching/Research Assistant in the Learning Performance and Support laboratories (LPSL) College of Education, University of Georgia (2001/2002)
- July 1998-August 2001 *Counterpart Personnel/Senior Lecturer*
 Strengthening of Mathematics and Science in Secondary Education (SMASSE) Project in Kenya (funded by the Governments of Kenya and Japan), Kenya Science Teachers' College (KSTC), Nairobi, Kenya
- In-serviced secondary school science teachers at the national level and in the SMASSE pilot districts
 - Headed the Administration Division of the National SMASSE Project In- service Training Unit
 - Headed Chemistry Education In-service Training Unit in the SMASSE Project
- 1990 to 1998 *Lecturer, Chemistry, Kenya Science Teachers' College (KSTC)*
- Taught college chemistry, subject methods in chemistry to first and second year pre-service diploma teachers
 - Supervised pre-service diploma teachers during teaching practice
 - Coordinated student teaching practice- Kikuyu Zone (1996- 1998)
 - Coordinated the Chemistry Subject Course (1995)

- Sept. 1983- May 1987 *Secondary School Chemistry and Mathematics Teacher*
- Taught high school chemistry and mathematics (Form 1 to Form 4) at Sironga Girls' High School, Kisii-Kenya (January 1985 to May 1987)
 - Taught high school chemistry and mathematics (Form 1 to Form 4) at Migingo Girls' Secondary School, Kisumu-Kenya (September 1983 to 1984)
- 1985-1986 *Examiner, Kenya National Examinations Council*
- Examiner "O" Level Chemistry Practicals for the Kenya National Examinations Council (1985-1986)
- 1996-1997 *Examinations' Moderator, Kenya National Examinations Council*
- Moderated the national chemistry practical examinations papers for technical institutions in Kenya

Academic and Professional Appointments

2023 June	<i>Member</i> , Self-Assessment Committee, University of Nairobi
2023 April	<i>Focal Point Person</i> , University of Nairobi IIOE Micro certification TPD Programme
2023 April	<i>Member</i> , The University of Nairobi Policy Briefs Editorial Board
2022 to date	<i>External Examiner</i> , Department of Curriculum, Instruction and Educational Management, Egerton University
2022 September	Director , International Institute of Online Education-Kenya National Centre (IIOE-KNC), & Assistant Director General (IIOE) Under the International Centre for Higher Education Innovation and auspices of UNESCO, (UNESCO-ICHEI)
2022 (April to September)	<i>Coordinator</i> , International Institute of Online Education-Kenya National Centre (IIOE-KNC), Under the International Centre for Higher Education Innovation and auspices of UNESCO, (UNESCO-ICHEI)
2022	<i>Coordinator</i> , Training in Pedagogy, Department of Educational Communication, Technology and Pedagogical Studies
2021	<i>Member</i> , Committee on Implementation of Asynchronous Teaching and Learning, University of Nairobi
2021 to date	<i>Coordinator</i> , Teaching Practice, Kericho Zone
2021	<i>Member</i> , Committee on Development of Guidelines for Offering Certificates and Diploma Programmes, University of Nairobi
2021	<i>Chairman</i> , The Proposed Revival of The Kenya Science Campus Workshop
2021 to date	<i>External examiner</i> , Department of Curriculum, Instruction , Educational Technology and Management, Pwani University
2021	<i>Member</i> , UoN Strategic Plan, 2018-2023, Mid-term Review Committee
2020 to date	<i>Chief Editor</i> , UoN Journal of Pedagogy, Andragogy and Heutagogy in Academic Practice, ISSN: 2708-261X
2020 to 2021	<i>Chairman</i> , College Gender and Disability Mainstreaming Committee (CEES)
2020 to 2021	<i>Member</i> , College Budget Committee, (CEES)
2020	<i>Member</i> , Senate Subcommittee on Examinations Procedures Committee
2019	<i>Mace Bearer</i> , 61 st graduation ceremony, UON
2019 to 2021	<i>Member</i> , UoN Program Development Committee
2020 to 2021	<i>Member</i> , UoN Students' Mentorship Committee

2019 to 2020	<i>Member, UoN Statutes' Review Committee</i>
2018 to 2021	<i>Member, College Management Board, CEES</i>
2015 to 2021	<i>Member, College Academic Board, CEES</i>
2018 to 2021	<i>Member, Corruption Prevention Committee, (CEES)</i>
2018 to 2021	<i>Director, Centre for Pedagogy and Andragogy (CEPA), UoN</i>
2017 to 2020	<i>Staff Commissioner, Independent Electoral Commission, UoN Students' Association (UNSA)</i>
2017	<i>Member, Pre-CUE Audit Senate Inspection Team</i>
2017	<i>CEES Representative, University of Nairobi Strategic planning team, 2018-2023</i>
2016	<i>Returning Officer, Tallying Centre, University of Nairobi Students' (SONU) Elections</i>
2015 to 2018	<i>Deputy Director, Centre for Pedagogy and Andragogy (CEPA), UoN</i>
2015	<i>Returning Officer, Tallying Centre, University of Nairobi Students' (SONU) Elections</i>
2014	<i>Returning Officer, Tallying Centre, University of Nairobi Students' (SONU) Elections</i>
2013 to 2015	<i>College Website Strategist, School of Education</i>
2013 to 2015	<i>College Website Strategist, School of Education</i>
2013 to 2016	<i>Member of the School of Education Dean's Performance Contracting Committee</i>
2013 to 2015	<i>Member, School of Education Postgraduate Committee</i>
2013 to 2019	<i>Member, College of Education and External Studies Exhibitions' Team</i>
2013 to 2016	<i>Member, The Fountain Journal Committee, School of Education</i>
2013 to 2014	<i>CEES nominated member, The Kenya National Academy of Sciences, KNAS</i>
2013	<i>Returning Officer, Tallying Centre, University of Nairobi Students' (SONU) Elections</i>
2012	<i>Returning Officer, Tallying Centre, University of Nairobi Students' (SONU) Elections</i>
2011 to 2017	<i>Teaching Practice Zone Coordinator, University of Nairobi</i>
2009 to 2016	<i>Reviewer of The Fountain (a publication of the University of Nairobi)</i>
2009 to 2015	<i>Departmental Coordinator, Educational Communication and Technology Courses in the School of Education's B. Ed (Science) at the Kenya Science Campus, College of Veterinary and Agricultural Sciences at Kabete Campus, and School of Nursing Sciences at Kenyatta National Hospital Campus, University of Nairobi</i>

2009 to 2011	<i>Member of Editorial Board, Kenya Institute of Education (KIE)</i>
2005 to 2006	<i>Program Coordinator/Director, Professional Alternative Certification for Secondary Science (PACSS) Teachers, Department of Mathematics and Science Education, University of Georgia at Gwinnett</i>
1999 to 2001	<i>Head of Administration/Deputy Head of INSET Unit, SMASSE Project, KSTC, Nairobi, Kenya</i>
1998 to 2001	<i>Member, Kenya Institute of Education Secondary Course Panel</i>
1997	<i>Member, Kenya Science Teachers' College (KSTC) Diploma Syllabus Review Committee</i>
1996 to 1998	<i>Teaching Practice Zone Coordinator, KSTC, Nairobi, Kenya</i>

Community Engagements

2022-2025	<i>Chairman</i> , Board of Management, Moi Gesusu High School, Kisii County
2022-2025	<i>Member</i> , Board of Management, Moi Gesusu High School, Kisii County
2022-2025	<i>Member</i> , Board of Management, Nyamagwa S.D.A Mixed Secondary School, Kisii County
2022 to 2025	<i>Member</i> , Board of Management, Kenyenyia Teachers' Training College, Kisii County
2019 to 2022	<i>Vice Chairman</i> , Board of Management, Moi Gesusu High School, Kisii County
2019 to 2022	<i>Member</i> , Board of Management, Moi Gesusu High School, Kisii County
2019 to 2022	<i>Member</i> , Board of Management, Nyamagwa S.D.A Mixed Secondary School, Kisii Count
2016 to 2018	<i>Member</i> , Board of Governors, Nyamagwa S.D.A Mixed Secondary School, Kisii County
2015 to 2017	As a CO-PI and under UoN corporate social responsibility, several copies of reading materials of different titles were printed and distributed to selected schools in Nairobi, Kisii and Machakos Counties under the ESRC-DFID-funded research project entitled "Implementing cross- age peer tutoring in the teaching of reading in Kenya"
2009 to 2018	<i>Member</i> , Board of Governors, Moi Gesusu High School, Kisii County
2009 to 2015	<i>Member</i> , Board of Directors, Gateway Complex Academy, Ekerenyo, Nyamira County

Contribution to Current Challenges in The University Education

1. Appointment as Director of Research, Centre for Pedagogy and Andragogy (CEPA), University of Nairobi.
2. Appointment as Associate Director General, International Institute of Online Education (IIOE)
3. Appointment as Director, Centre for Pedagogy and Andragogy, CEPA; and Director, International Institute of Online Education-Kenya National Centre (IIOE-KNC),
4. In facilitating the realization of academic excellence, Journal of Pedagogy, Andragogy and Heutagogy in Academic Practice, JPAHAP, has been established and is anchored in CEPA; and has been recognized as one of UoN peer reviewed Journal.
5. Negotiated and got collaboration agreement signed between the University of Nairobi and Partnership for African Social and Governance Research, PASGR.
6. The collaboration between UoN and PASGR enabled PASGR to release funds for facilitation of the ongoing training of members of the University of Nairobi academic staff on transformative pedagogy (online)

7. Initiated and trained members of the University of Nairobi academic staff on transformative pedagogy (online) focusing on synchronous and asynchronous teaching and learning.
8. Held a two- day international webinar, 15th to 16th December, 2020, as a contribution to celebration of UoN@ 50 activities.
9. Invited by USAID to present UoN based research findings on Tusome case study, Kenya, at the USAID Headquarters, Washington D.C. to USAID world-wide mission staff in November, 2019.
10. Bought equipment for teaching and learning (120 laptops, 217 tablets, 10 camcorders, and 4 projectors) under Early grade reading instruction curriculum, EGRIC, project funded by USAID, Washington, D.C. (2012-2014).

Recognitions and Outstanding Achievements

Awards

2022	Vice Chancellor's Award of Excellence for Exemplary Performance in the FY2021/2022 Staff Performance Appraisal, University of Nairobi.
2005	The Society for Information Technology and Teacher Education's Fourth Annual U.S. National Technology Leadership Initiative Fellowship in Science Education and Technology for 2005
2005(May 3)	First Place Award in the Qualitative Research Division, during the Second Annual Graduate Student Research Conference, College of Education, University of Georgia, U.S.A
1984	Third Best Graduating Student in Chemistry, Kenya Science Teachers' College, Nairobi, Kenya

Scholarship

2001	Graduate Teaching/Research Assistantship to pursue doctoral studies in science education, Department of Science Education, University of Georgia, U.S.A
1998	Japan International Cooperation Agency (JICA) scholarship to undertake individual training in chemical education at the University of Hiroshima, and Project Cycle Management in Tokyo, Japan.
1993	Guinness Brewing Worldwide and Foreign and Commonwealth Office Scholarship, to undertake a master's degree in science education at The University of Leeds, United Kingdom.

Nominations

- 2005 Outstanding Doctoral Dissertation Award Nominee, National Association for Research in Science Teaching (NARST)
- 2005 Association for the Education of Teachers in Science Outstanding Paper Award Nominee: Inyega, J. & Thomson, N. (2005, January). *Strengthening high school chemistry teaching through in-service programs in Kenya*. Paper presented at the annual conference of the Association for the Education of Teachers in Science (AETS), Colorado Springs, Colorado, U.S.A.

Grant Awards/Development Funds

- 2023 Commonwealth of Learning Grant to implement Open and Distance Learning Workshops on Higher Education
- 2022 Digital Transformative Pedagogy Project: International Institute for Online Education (IIOE) and UNESCO-International Centre for Innovation funded pilot study.
- 2021-2023 Project Coordinator, Local Implementing Partner Agreement between Resilient Africa Network (RAN) and University of Nairobi (UoN) Agreement in relation to Supporting Holistic & Actionable Research in Education (SHARE): Co-Creating for Change: Learning Becomes Service to Justice - Language in Transition in Education System (LITES); Financial Sustainability in Higher Education Institutions: Innovation in Higher Education Ecosystem
- 2020-2023 Task Manager, InnofoodAfrica Project in Kenya (European Union Funded Project implemented in South Africa, Uganda, Kenya, and Ethiopia involving researchers from University of Helsinki, University of Pretoria, Makerere University, University of Nairobi Enterprises, Chuka University, OSSREA, VVT, AHBFI, NOFIMA & Others)
- 2020/2021 Funds to Develop Capacity of University Faculty and Staff on Online Course Design, Facilitation and Innovative Assessment from Partnership for Social and Governance Research (PASGR)
- 2018/2019 PI: USAID funded Tusome Case Study, Kenya
- 2018/2019 Context Matters Research Award. Canadian Organization for Development in Education (CODE)
- 2017 -2024 Co-applicant with Centre for the Study of Learning and Performance, CSLP, Concordia University, Canada, for SSHRC partnership grant titled “Using educational technology to develop essential educational competencies in sub Saharan Africa”

2015-2017	CO-PI: ESRC-DFID-funded research project entitled ‘implementing cross- age peer tutoring in the teaching of reading in Kenya” by University of York, UK, Concordia University and University of Nairobi.
2013-2016	CO-PI: EU-funded project entitled ‘Enhancing the quality of graduates of agriculture to meet tomorrows food security challenge (PREPARE-BSc)’ at the University of Nairobi.
2012 -2014	PI: United States Agency for International Aid (USAID) Grant Award to develop, pilot-test and infuse a comprehensive results-oriented Early Grade Reading Instruction Curricula (EGRIC) in Teacher Education Programs in Kenya. 2006 University of Georgia, African Studies Institute Research Award to Drs. D. Tippins, N. Thomson, M. B. Butler, & J. Inyega to study use of modern technology in testing water quality in Kenya and student involvement through science education curricula.

Consultancy Services

2022/24	Supporting Holistic and Actionable Research in Education (SHARE) Projects in Kenya: Language of Instruction Transition in Education Systems (LITES), HEIGHTS (Innovation in Education Ecosystems) and HEIGHTS (Financial Sustainability in Higher Education Institutions) in Kenya
2018/19	USAID funded Tusome Case Study, Kenya.
2015-2017	ESRC-DFID-funded research project entitled ‘implementing cross-age peer tutoring in the teaching of reading in Kenya” by University of York, UK, Concordia University and University of Nairobi.
2015	Technical consultant on measurement and evaluation, Kenya National Examinations Council (KNEC).
2014-2015	Consultant, postgraduate studies program at University of Hargeisa, Somaliland.
2013-2016	Science education specialist, PREPARE-BSC Project funded by European Union.
2012-2014	Early Grade Reading Instruction Curriculum Project funded by USAID

Travel Awards

2005	NARST Equity and Ethics Committee Travel Award to attend an Annual Meeting of NARST, Dallas, Texas, U.S.A.
2003	NARST Travel Award to attend an Annual Meeting of NARST, Wyndham Franklin Plaza Hotel, Philadelphia, U.S.A.

Association/Affiliations

2023 to date	Member, Kenya National Academy of Sciences, KNAS.
2013 to date	Member, University of Nairobi Alumni
2012 to 2014	Member, Teaching Practice and Educational Leadership Consortium, (TPeLC)
2007 to Date	Member, University Academic Staff Union, University of Nairobi
2001-2006	Member, Georgia Science Teachers Association, GSTA
2003-2006	Member, National Association for Research in Science Teaching, NARST
2005-2006	Member, Association for Science Teacher Education
1986-2007	Member, Kenya National Union of Teachers

Publications

Books/Book/Module Chapters (Peer reviewed)

1. Magutu, P., Iraya, C., Nyamute, W., Okeo Inyega, J., Kipchumba Chogii, R., Nyaboke Onsomu, Z., Elly, D., Arodi, J., Kinuthia, I., Anyuki, B., Mutegi, D., Ssentongo, J., Mayanja Lwanga, M., & Jang, H. (2023). SHARE HEIGHTS-FS (Higher Education Institutions Generating Holistic & Transferable Solutions – Financial Sustainability Kenya, Final Report (Version 1). University of Notre Dame. <https://doi.org/10.7274/rb68x924279>
2. Magutu, P. O., Inyega, J. O., & Nyaanga R. O. (2020). *Evidence-based training assessment approaches and methodologies in procurement planning and supply chain management*. Knowledge Empowerment Foundation. ISBN: 978-81-942015-4-0.
3. Bulinda, D.M., Inyega, H.N. & Inyega, J.O. (2020). *The source book on labour relations*. LAP LAMPARD Academic Publishing. ISBN: 978-620-2-67531-4.
4. Bulinda, D. M., Inyega, H. N. & Inyega, J.O. (2020). *Instructional supervision and inspection practice*, 2nd Ed. LAP LAMBART Academic Publishing. ISBN: 978-620-0-65126-6.
5. Inyega, J. O. (2020). *Online course module on instructional methods in chemistry*. Online course module developed during the training of members of the academic staff by Partnership for African Social and Governance Research (PASGR) in collaboration with the University of Nairobi. Online available: <https://pedal-africa.org/pedalcontent/university-of-nairobi-pedal-training/>
6. Inyega, J. O. (2020). *Science for early year education module*. Nairobi: ODeL. (ISBN: 978-9966-1773-0-8).
7. Inyega, H. N., & Inyega, J. O. (2017). Infusing Reading Instruction into Early Childhood Teacher Education Programs: The Case of University of Nairobi. In M. N. Amutabi (ed.). *Africa at development crossroads*, Chapter 9, pp. 111-126. Nairobi: Centre for Democracy Research and Development (CEDRED). (ISBN: 978-9966-1933-5-3)
8. Inyega, H. N., & Inyega, J. O. (2017). *All teachers teaching reading all children reading: A pedagogical shift in teacher education in Kenya*. Nairobi: Jo-Vansallen Publishing Company (ISBN: 978-9966-1794-32)
9. Inyega, J. O. (2016). *TEC 207: Science for early childhood education*. A module published by UoN, CODL. Nairobi: CODL. (ISBN: 978-9966-1773-0-8).
10. Inyega, H. N., Inyega, J. O., Wangamati, A. S. (2014). *Communication skills for academic excellence*. Nairobi: Jo-Vansallen Publishing Company (ISBN: 978-9966- 1794-18)
11. Inyega, J. O. & Gunga, S. O. (2014). Methodology for science teaching in higher education. In *University of Nairobi, Centre for Open & Distance Learning Training in Pedagogy Manual: Interactive Teaching Materials for University Lecturers and Professors in Pedagogy*, 1, 54-82. Nairobi: CODL. (ISBN: 978-9966-1773-0-8).
12. Inyega, J. O. (2011). *Teachers' Practices and Experiences Following Professional Development: A Kenya Multi-site Analysis*. Saarbrucken, Germany: VDM –Verlag Dr. Muller. (372 pages; 8 Chapters) (ISBN: 978-3-639-32625-3). Online available: www.amazon.com
13. Inyega, H. N., & Inyega, J. O. (2011). *Learning to read and reading to learn: A practical teacher's guide*. Nairobi: Riverbrooks Communications Network. (ISBN: 996- 67336-3-9).
14. Inyega, J.O., & Okpoko, A. (2011). Research design. Chapter 5. In Ezeliora, B., Ezeokana, J.O., & Inyega, H.N. (Eds.). *Principles of research in education and social sciences*. Enugu, Nigeria: Forth Dimension Publishing Co. Ltd. (ISBN: 978-049-853-2)

Children's Books

1. Inyega, H.N. & Inyega, J.O. (2016). *My sister was born yellow*. Nairobi: Association of Reading of Kenya. ISBN: 978-9966-17945-6
2. Inyega, H.N. & Inyega, J.O. (2016). *Gentle gracing giraffes*. Nairobi: Association of Reading of Kenya. ISBN: 978-9966-17944-9
3. Inyega, H.N. & Inyega, J.O. (2016). *My sister has got mumps*. Nairobi: Association of Reading of Kenya. ISBN: 978-9966-17947-0
4. Inyega, H.N. & Inyega, J.O. (2016). *The girl whose feet could not stop growing*. Nairobi: Association of Reading of Kenya. ISBN: 978-9966-17946-3

Journal Articles (peer reviewed)

1. Migwambo, R, A., Mulwa, P. K., & Inyega, J. O. (2024). Influence of teachers' digital content evaluation skills on secondary school learners' engagement in english lessons in mwala sub-county, Kenya. *Journal of Pedagogy, Andragogy and Heutagogy in Academic Practice*. 5(2), 91-101. (ISSN: 2708-261X). Online available: <http://uonjournals.uonbi.ac.ke/ojs/index.php/pedagogy>
2. Kariuki, CW, Kathambi, BM, Inyega, J. (2023). Incorporating capacity building as a pathway to environmental stewardship for public schools in Kenya. *Indonesian Journal of Social and Environmental Issues (IJSEI)*. 4(1), 1-11. (ISSN: 2722-1369), Online.
3. Kariuki, CW, Kathambi, BM, Inyega, J. (2023). Assessment of leadership actions for environmental stewardship enhancement in public schools. *Present Environment and Sustainable Development*. 7(1), 1-18.
4. Arshad-Ayaz, A., Naseem, M. A., & Inyega, J. (2022). Using technology for learning: generalizable lessons from educational technology integration in Kenya. *Canadian Journal of Learning and Technology*. 48 (2),1-19.
5. Bulinda, D. M., Inyega, H.N., & Inyega, J. O. (2022). Pre-service bachelor of education (technology) degree teachers' perceptions on instructional supervision in relation to preparation and planning for teaching and learning in Kenya. *Journal of Pedagogy, Andragogy and Heutagogy in Academic Practice*. 3(2), 47-54. (ISSN: 2708-261X). Online available: <http://uonjournals.uonbi.ac.ke/ojs/index.php/pedagogy>
6. Sakaja, Y., Nyonje, R., & Inyega, J. O. (2022). Influence of routine programme monitoring on performance of curriculum instructional project in TVET institutions in bungoma county, Kenya. *DBA Africa Management Review*. 12(2), 83-100. (ISSN: 2224-2023)
7. Inyega, H. & Inyega, J. (2021). Reflections on potential of collaboration between Kenyan universities and ministry of education to implement basic education reforms. *Journal of Pedagogy, Andragogy and Heutagogy in Academic Practice*. 2(1), 69-89. (ISSN: 2708-261X). Online available: <http://uonjournals.uonbi.ac.ke/ojs/index.php/pedagogy>
8. Inyega, H. N. & Inyega, J. O. (2021). Theoretical probabilities and practical possibilities of nurturing teachers' and primary school learners' social and emotional skills: Examples from Kenya. *Journal of Pedagogy, Andragogy and Heutagogy in Academic Practice*. 2(3), 42-56. (ISSN: 2708-261X). (2) Online available: <http://uonjournals.uonbi.ac.ke/ojs/index.php/pedagogy>
9. Wangai, M. M., Inyega, J.O., Mugambi, M. M., & Kalai, J. M. (2021). Influence of ISO 9001 standards on quality of academic programmes in universities in Kenya: a case of university of Nairobi. *Journal of Pedagogy, Andragogy and Heutagogy in Academic Practice*, 2(2), 34-48. (ISSN: 2708-261X). Online available: <http://uonjournals.uonbi.ac.ke/ojs/index.php/pedagogy>

10. Wangai, M. M., Inyega, J.O., Mugambi, M. M., & Kalai, J. M. (2021). Influence of total quality management and knowledge management on quality of university academic programmes: a literature review. *Journal of Pedagogy, Andragogy and Heutagogy in Academic Practice*, 2(1), 1-14. (ISSN: 2708-261X). Online available: <http://uonjournals.uonbi.ac.ke/ojs/index.php/pedagogy>
11. Inyega, J.O., Arshad-Ayaz, A., Naseem, M. A., Mahaya, E. W., & Elsayed, D. (2021). Post-independence basic education in Kenya: an historical analysis of curriculum reforms. *FIRE: Forum for International Research in Education*. 7(1): 1-24.
12. Inyega, H. & Inyega, J. (2020). Machine learning: the future of sustainable teacher education is here. *Journal of Pedagogy, Andragogy and Heutagogy in Academic Practice*, 1(2), 115-133. (ISSN: 2708-261X). Online available: <http://uonjournals.uonbi.ac.ke/ojs/index.php/pedagogy>
13. Inyega, J. & Muchemi, G. (2020). Attitude towards undergraduate training in agriculture and veterinary sciences by secondary school students, teachers and parents in Kenya. *Journal of Pedagogy, Andragogy and Heutagogy in Academic Practice*, 1(1), 8-18. (ISSN: 2708-261X).
14. Inyega, H. N., Inyega, J. O., & Oyaro, K. (2020). Leveraging ICTs to improve sexual health literacies and practices of university students in Kenya. Ottawa, Canadian Organization for Development through Education. Available online: <https://code.ngo/wp-content/uploads/2020/09/Hellen-Inyega-Context-Matters-Final-Research-Paper-05062020.pdf>
15. Inyega, H.N., Inyega, J.O., Ssentongo, J., Jalloh, A., Bugusu, B., & Lopez, J. (2020). Tusome case study: final report. Washington, D.C.: USAID. PP. 1-90. Available online: <https://www.edulinks.org/resources/tusome-early-grade-reading-case-study>
16. Inyega, H.N., Inyega, J.O., Ssentongo, J., Jalloh, A., Bugusu, B., & Lopez, J. (2020). Tusome literature review. Washington, D.C.: USAID. Pp. 1-33. Available online: <https://www.edulinks.org/resources/tusome-early-grade-reading-case-study>
17. Inyega, H.N., Inyega, J.O., Ssentongo, J., Jalloh, A., Bugusu, B., & Lopez, J. (2020). A journey to self-reliance: success of scaling and transitioning of Kenya's Tusome early grade reading program. Washington, D.C.: USAID. Pp. 1-2. Available online: <https://www.edulinks.org/resources/tusome-early-grade-reading-case-study>
18. Bulinda, D. M. & Inyega, J. O. (2019). Pre-service graduate teachers' perceptions on instructional supervision in relation to students' classroom involvement and assessment in Kenya. *International Journal of Creative Research and Studies*. 3(1):9-14.
19. Inyega, J. O. & Bulinda, D. M. (2019). Pre-service graduate teachers' perceptions on instructional supervision in relation to preparation and planning for teaching and learning in Kenya. *International Journal of Innovative Research and Knowledge*. 4(1):26-31.
20. Inyega, H.N. & Inyega, J.O. (2017, Dec). The nuts and bolts for effective literacy instruction in early childhood. *Papers in Education, University of Dar es Salaam Journal, Issue 35*. (ISSN:0856-4027). Online available: <http://journals.udsm.ac.tz/index.php/ped/article/view/1489>
21. Inyega, J. O. (2017). Pre-service teachers' attitude towards secondary school student assessment in science after undergoing teaching practice in Kenya. *International Journal of Literacy and Development*, 3 (1), 17-25. (ISSN: 3212-4938)
22. Inyega, J.O. & Inyega, H.N. (2017). Teachers' pedagogical content knowledge following in-service training in Kenya. *International Journal of Humanities and Social Studies*, 5(5), 8-13. (ISSN: 2321 – 9203). Online Available: <http://theijhss.com/wp-content/uploads/2017/06/2.-HS1705-009-Updated.pdf>
23. Inyega, J.O. & Inyega, H.N. (2017). Teachers' attitude towards teaching following in-service teacher education program in Kenya. *International Journal for Innovation Education and Research*, 5(4), 93-102. (ISSN: 2411-2933). Online available: <http://www.ijer.net/ijer/article/view/666/561>

24. Inyega, H.N. & Inyega, J.O. (2017). Experiences of student teachers' on placement. *International Journal of Educational Policy Research and Review*, 4(5), 90-102. (ISSN: 2360-7076). Online available: <https://journalissues.org/wp-content/uploads/2017/05/Inyega-and-Inyega.pdf>
25. Inyega, H.N. & Inyega, J.O. (2017). Empowering children and teachers through literacy: the case of children's book project (CBP) for Tanzania. *Education Research Journal*, 7(5), 94- 102. (ISSN: 2026-6332)
26. Mageto, I. G., Omoni, G. M., Cabelus, N. B., Inyega, J. O. (2017). Preparedness and practice of forensic nursing in Kenya. *International Journal of Nursing Education*. ISSN: 0974-9357 (online), 0974-9349(print). Online available: http://www.indianjournals.com/ijor.aspx?target=ijor:ijone&volume=9&issue=3&article=01_5
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29. Inyega, J. O. Inyega, H. N. & Hardman, F. (2017). Implementing cross-age peer tutoring in the teaching of reading in Kenyan primary schools. *International Journal of Humanities and Social studies*, 5(4), 16-22. (ISSN: 2321 – 9203). Online available: <http://theijhss.com/wp-content/uploads/2017/04/3.-HS1704-026.pdf>
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31. Inyega, H.N. & Inyega, J.O. (2017). Psychotherapy, (il)literacy and information communication and technologies: building bridges to literacy excellence. *Journal of Education and Human Development*, 6(2), 128-138. (ISSN: 2334-2978). Online available: http://jehdnet.com/journals/jehd/Vol_6_No_2_June_2017/14.pdf
32. Inyega, H. N. & Inyega, J. O. (2016). Revamping early childhood teacher education and professional development: nuts and bolts for effective literacy and numeracy instruction. *University of Dar Es salaam School of Education Journal of Education and Development*.
33. Inyega, H. N., Inyega, J. O., & Matula, P. D. (2014). Enhancing college students' literacy skills: adopting an interdisciplinary approach. *International Journal of Literacy and Development*. 1(1), 25-44. (ISSN: 3212-4938)
34. Digolo, O. O., Inyega, J. O., & Inyega, H. N. (2011). University academics re- examine their pedagogical and people-skills: insights from capacity-building in-service program in Kenya. *The Fountain: Journal of Educational Research*. University of Nairobi Publication (ISSN: 2079- 3383).
35. Gatumu, J.C., Inyega, J.O., & Inyega, H.N. (2011). Teaching practice experiences: Invaluable insights from video cases in Kenya. *The Fountain: Journal of Educational Research*. University of Nairobi Publication (ISSN: 2079-3383).
36. Inyega, J. O., Thomson, N., Butler, M.B., Inyega, H. N. (2010). In-service teachers' classroom practices and experiences. *The Fountain: Journal of Educational Research*. 4(1), 1-21. University of Nairobi Publication (ISSN: 2079-3383).

37. Chomchid, P., Inyega, J., and Thomson, N. (2009). Secondary high school chemistry teachers' perspectives on the difficulties of teaching the atomic structure. *Songklanakarin E-journal of Social Sciences and Humanities* 15(4), 577-594. Songkla University Publication (ISSN: 0859-1113).
38. Inyega, J., Butler, M.B., & Thomson, N. (2006, January). A Multi-site analysis of teachers' practices on the "mole concept" following professional development programs. *Conference proceedings: Annual Conference of Association for Science Education (ASTE)*, Portland, Oregon, U.S.A.
39. Panwilai C., Inyega, J., & Thomson, N (2006, January). Secondary high school chemistry teachers' perspectives on the difficulties of teaching atomic structure and periodic table: Views from Thailand and Kenya. *Conference Proceedings: Annual Conference of Association for Science Education (ASTE)*, Portland, Oregon, U.S.A.
40. Inyega, J., Thomson, N., & Butler, M. B. (2005, April). Evidence-based chemistry unit lesson plan designing and implementation following in-service programs: Multi-site cases of teachers in Kenya. *Conference Proceedings: National Association for Research in Science Teaching*, Dallas, Texas, U.S.A.

Conference Paper and Webinar Presentations (peer reviewed)

1. Inyega, H. N., Inyega, J. O., & Oyaro, K. (2020). Leveraging ICTs to improve sexual health literacies and practices of university students in Kenya. A paper presented at the 3rd Annual International Conference on Research and innovation in Education (AICRIE) from 14th to 15th October, 2020 in the College of Education and external Studies, University of Nairobi, Kenya.
2. Inyega, H.N., Inyega, J.O., Ssentongo, J., Jalloh, A., Bugusu, B., & Lopez, J. (2019). Tusome Case Study: Final Report by Long Term Assistance and Service for Research Partners for University- Led Solutions (LASER PULSE) Webinar for USAID Field Mission Staff, Washington, DC, USA.
3. Inyega, H.N., Inyega, J.O., Ssentongo, J., Jalloh, A., Bugusu, B., & Lopez, J. (2019). A journey to self-reliance: Success of scaling and transitioning of Kenya's Tusome early grade reading program. Webinar for USAID Field Mission Staff, Washington, D.C., USA.
4. Inyega, H.N., Inyega, J. O., Bazeyo, W., Mayega, R.W., Okello, D., Jalloh, A., Bugusu, B., Ssentongo, J., Armisteadm, M., Naatujuna, d., Burniske, A., Yih, Y., & Tumuhamy, N. (2019). Re-imagining national education systems through curricula support: A desk review of how Kenya initiated and scaled the Tusome early grade reading program. 11th PALFA 2019 International Conference, Kampala, Uganda.
5. Inyega, H. N. & Inyega, J. O. (2018). Implementing a school-based teacher support system for sustainable education development in Kenya. A paper presented at the International Conference on Research and innovation in Education from 24th to 26th April, 2018 in the College of Education and external Studies, University of Nairobi, Kenya.
6. Inyega, H. N. & Inyega, J. O. (2018). Leveraging for ICTs to improve sexual health literacies of university students in Kenya. A paper presented at the International Conference on Research and innovation in Education from 24th to 26th April, 2018 in the College of Education and external Studies, University of Nairobi, Kenya.
7. Inyega, J. O. & Inyega, H. N. (2018). Machine learning. A paper presented at the International Conference on Research and innovation in Education from 24th to 26th April, 2018 in the College of Education and external Studies, University of Nairobi, Kenya.
8. Mutai, W. K. & Inyega, J. O. (2018). Impact of level of education on small scale dairy farmers' livelihood in Longisa, Bomet County, Kenya. A paper presented at the International Conference on Research and innovation in Education from 24th to 26th April, 2018 in the College of Education and external Studies, University of Nairobi, Kenya.

9. Inyega, J. O., Hardman, F. & Inyega, H. N. (2016). Implementing cross-age peer tutoring in the teaching of reading in Kenyan primary schools. A paper presented at the *Nairobi Innovation Week* from 1st - 5th August, 2016 in the University of Nairobi, Kenya.
10. Maonga, T. W., Inyega, J. O., & Inyega, H. N. (2016). Inquiry-based learning and secondary school student performance in map work in two selected Counties of Trans- Nzoia and Uasin Gishu in Kenya. A paper presented at the *Nairobi Innovation Week* from 1st - 5th August, 2016 in the University of Nairobi, Kenya.
11. Hardman, F., & Inyega, J.O. (2016, March 17). Implementing cross-age peer tutoring in the teaching of reading in Kenya. A paper presented at the *Lessons from a Decade's Research on Poverty: Innovation, Engagement, and Impact Conference* from 16th -18th March, 2016 in Pretoria, South Africa. Online available: <https://www.slideshare.net/theimpactinitiative/3-implementing-crossage-peer-tutoring-in-the-teaching-of-reading-in-kenya-frank-hardman-and-justus-inyega>
12. Inyega, H. N., & Inyega, J.O. (July, 9th 2015). Revamping early childhood teacher education & professional development: nuts and bolts for effective literacy and numeracy instruction. Paper presented at the Literacy and Numeracy Conference held at the University of Dar es Salaam from 8th to 10th July 2015.
13. Inyega, H. N., & Inyega, J.O. (18th June, 2015). Revamping Early Childhood Teacher Education and Professional Development: Nuts and Bolts for Effective Literacy and Numeracy Instruction. Paper presented at the 2nd Africa for Research in Comparative Education (AFRICE) International Conference held at The University of Nairobi from 18th to 19th June, 2015.
14. Inyega, H. N., (May 22nd 2015). Language of Education in Early Childhood: Nuts and Bolts for Effective Emergent Literacy Instruction. Paper presented at British Association for Applied Linguistics Language in Africa Special Interest Group held in Aston University, Birmingham in the United Kingdom.
15. Inyega, H. N., & Inyega, J. O. (April 13th to 16th 2014). Transforming early childhood teacher education in Kenya: Early Grade Reading Instruction Curriculum (EGRIC). Paper presented at the 2nd World Literacy Summit in Oxford, UK.
16. Inyega, H. N., & Inyega, J. O. (February 18th 2014). Lest we forget their first teachers: Family-based ICT interventions for struggling readers. Paper presented at the UNESCO Mobile Learning Week (MLW) in Paris, France.
17. Inyega, H. N., & Inyega, J. O. (August 12th to 16th 2013). Family-based interventions for struggling readers: A reading parent a literate offspring. Paper presented at the 8th Pan-Africa Reading for All (PARfA) International Conference in Nairobi, Kenya
18. Inyega, H. N., & Inyega, J.O. (2013, February 18). Mobile phones and quality of teacher, early grade reading and literacy in Kenya. A paper presented at the *UNESCO Symposium on Mobile Learning* held at UNESCO Headquarters from 18th -19th February, 2013 in Paris, France.

Online available:
<http://www.unesco.org/new/fileadmin/MULTIMEDIA/HQ/ED/ICT/pdf/Inyega1.pdf> &
<http://www.unesco.org/new/fileadmin/MULTIMEDIA/HQ/ED/ICT/pdf/Inyega2.pdf>
19. Inyega, J.O., Khatete, I., & Gakunga, D. K. (2010, September 18). Pre-service teacher preparations' influence on teaching practice experiences: A case of bachelor of education (science) students, University of Nairobi, Kenya. A paper presented at the *Teaching Practice Conference* held at MARIST International College. Nairobi, Kenya.

20. Digolo, O. O., & Inyega, J.O. (2008, November). University Academics Re-Examine their Pedagogical and People-Skills: Insights from Capacity-Building In- service Program in Kenya. Paper presented at the *International Conference on Social and Human Development Outcomes on Education and Poverty*, Kenyatta University. Nairobi, Kenya.
21. Inyega, J., Butler, M.B., & Thomson, N. (2005, October). Teaching high school electrochemistry: A multi-site analysis of teachers' practices following in-service programs. Paper presented at the *Annual Conference of the Southern Association for Science Education (SASTE)*, University of Georgia, Athens, Georgia, U.S.A
22. Koballa, T., Upson, L., Mince, C., Inyega, J., & Parlor, A. (2005, April). Examining the link between mentor teacher advice and protégé classroom practice within a physical science context. Paper presented at the *Annual Conference of NARST*, Dallas, Texas, U.S.A.
23. Koballa, T., Upson, L., Minchew, C., Inyega, J., & Parlo, A. (2005, April). Inside science teacher mentoring. Paper presented at the *National Science Teachers Association (NSTA) National Convention*, Dallas, Texas, U.S.A.
24. Inyega, J. & Thomson, N. (2005, January). Strengthening high school chemistry teaching through in-service programs in Kenya. Paper presented at the *Annual Conference of AETS*, Colorado Springs, Colorado, U.S.A.
25. Koballa, T., Upson, L., Minchew, C., Inyega, J., & Parlo, A. (2005, January). Using technology to support evidence-based science teaching and mentoring. Paper presented at the *Annual Conference of AETS*, Colorado Springs, Colorado, U.S.A.
26. Inyega, J. & Thomson, N. (2004, October). Teacher beliefs and experiences about chemistry in-service teacher education programs in Kenya. Paper presented at the *Annual conference of the Southern Association for the Education of Teachers in Science (SAETS)*, University of Florida, Gainesville, Florida, U.S.A.
27. Minchew, C., Upson, L., Koballa, T., Parlo, A., & Inyega, J. (2004, October). Idealized versus realized: Teacher beliefs regarding the role of mentor in science teaching. Paper presented at the *Annual Conference of the Southern Association for the Education of Teachers in Science (SAETS)*, University of Florida, Gainesville, Florida, U.S.A.
28. Koballa, T., Upson, L., Minchew, C., & Inyega, J. (2004, April). Improving beginning teacher mentoring experiences: Georgia systemic teacher education framework as a guide for using direct evidence to improve practice. Paper/poster presentation at the *Research Symposium on the Preparation of Educators*, sponsored by The Georgia Systemic Teacher Education Program, University of Georgia.
29. Inyega, J., Sikes, C. K., Bryan, L., & Gootman, E. (2003, February). Why are torque and work so similar? Paper presented at the *Annual Meeting of the Georgia Science Teachers Association*, Jekyll Island, U.S.A.
30. Inyega, J., & Thomson, N. (2002, October). Change in attitudes toward teaching strategies in secondary school teachers in Kenya following in-service professional development. Paper presented at the *Annual Meeting of SAETS*, Kennesaw University, Kennesaw, Georgia, U.S.A
31. Thomson, N., Inyega, J., Narayan, R., & Park, S. (2002, February). Phytoremediation and genetic engineering in Georgia. Paper presented at the *Annual Meeting of the Georgia Science Teachers Association*, Jekyll Island, U.S.A.

Seminar/Training Workshop Paper Presentations

1. Inyega, J. O. (2019). Mentorship of university lecturers and students. A presentation made during the University Lecturers' Pedagogy Training Workshops organized by CEPA, University of Nairobi.
2. Inyega, J.O., & Onyango, C. M. (2019). Problem based learning approach in higher education institutions. A presentation made during the University Lecturers' Pedagogy Training Workshops organized by CEPA, University of Nairobi.
3. Inyega, J.O., & Muchemi, G. M. (2019). Engaging and activating students in higher education institutions. A presentation made during the University Lecturers' Pedagogy Training Workshops organized by CEPA, University of Nairobi.
4. Inyega, J.O., & Kunyanga, C. N. (2019). Curriculum development and alignment to intended learning outcomes in higher education institutions. A presentation made during the University Lecturers' Pedagogy Training Workshops organized by CEPA, University of Nairobi.
5. Inyega, J.O., & Karanja, D. N. (2019). Student assessment and feedback in higher education institutions. A presentation made during the University Lecturers' Pedagogy Training Workshops organized by CEPA, University of Nairobi.
6. Inyega, J.O., & Muthama J.N. (2019). Experiential learning in higher education institutions. A presentation made during the University Lecturers' Pedagogy Training Workshops organized by CEPA, University of Nairobi.
7. Inyega, J. O. (2017). Approaches and strategies of teaching science/technology in higher education during the training of the University of Nairobi CHS lecturers and professors on pedagogy held at the Central Catering Unit Hall, University of Nairobi from May 3 to May 5, 2017.
8. Inyega, J. O. (2017). Methods and techniques of teaching science in higher education during the training of the University of Nairobi CHS lecturers and professors on pedagogy held at the Central Catering Unit Hall, University of Nairobi from April 5 to April 7, 2017.
9. Inyega, J. O. (2017). Secondary school surveys: A case of Kenya. A paper presented in the Regional Dissemination PrepareBsc Workshop held in Arusha, Tanzania, from February 6 to February 10, 2017.
10. Inyega, J. O. (2016). Approaches, methods and techniques of teaching science/technology in higher education during the training of the University of Nairobi lecturers and professors on pedagogy held at the Central Catering Unit Hall, University of Nairobi on June 29, 2016
11. Inyega, J. O. & Wahome, R.G. (2016). Mentorship programmes for lecturers and students. A paper presented in PrepareBsc workshop in the College of Agriculture and Veterinary Sciences, University of Nairobi, from 8th to 11th August, 2016
12. Inyega, J.O. (2015, November). Effective teaching in health sciences. A presentation made at a *Workshop on Improving Academic Excellence State of the Art Research and Quality Clinical Services* by Department of Oral and Maxillofacial Surgery/Oral Pathology and Oral Medicine, held at Gelian Hotel, Machakos Town from 27th to 28th November, 2015.
13. Inyega, J. O., & Onyango C. M., (2015, September). Teaching in higher education institutions: Problem-based learning method. A presentation made at the *Prepare-BSC Project Workshop*, held at the College of Agriculture and Veterinary Sciences (CAVS), University of Nairobi, from 24th to 25th September, 2015.

14. Inyega, J. O., & Wahome, R. G. (2015, September). Mentorship of university staff and students in higher education institutions. A presentation made at the *Prepare-BSC Project Workshop*, held at the College of Agriculture and Veterinary Sciences (CAVS), University of Nairobi, from 24th to 25th September, 2015.
15. Inyega, J. O., Onyango C., Ekere, W., & Eilu, G. (2015, June). Teaching in higher education institutions: Problem-based learning method. A presentation made at the *Prepare-BSC Project Trainer of Trainers' Workshop*, held at Sokoine University of Agriculture, Morogoro, Tanzania.
16. Inyega, J. O. (2012, February). Innovative pedagogy in chemical education. A presentation made at the *Second Conference of International Year of Chemistry 2011(IYC 2011): Chemistry Our Life Our Future*, held at the Central Catering Unit, University of Nairobi, Nairobi, Kenya.
17. Inyega, J. O. (2012, February). Enhancing Mathematics and Science Education in Africa through ASEI-PDSI Approach. A Keynote address paper presentation made at the *Third Country Training Program (TCTP) attended by participants from Angola, Uganda, Tanzania, Zanzibar, Rwanda, Cameroun, and Mali* on 9th February, 2012, at CEMASTEIA, Nairobi, Kenya.
18. Inyega, J. O. (2010, October 29). Methods of teaching. A paper presentation made at the *Training Workshop on Information Literacy for University of Nairobi Library Staff* held at the Jomo Kenyatta Memorial Library Computer Laboratory, University of Nairobi. Nairobi, Kenya.
19. Inyega, J. O. (2009, November). Project work and research as a method of teaching. Paper presented at the *Training of Trainer of Trainers in Pedagogy* at the KEPHIS Headquarters, Nairobi, Kenya.
20. Inyega, J. O. (2009, November). Methods of teaching science. Paper presented at the *Training of Trainer of Trainers in Pedagogy* at the KEPHIS Headquarters, Nairobi, Kenya.
21. Inyega, J. O. (2009, March). Methodology for teaching education: Teaching practice. Paper presented at the *Training of University Lecturers in Pedagogy at the University of Nairobi*, Nairobi.
22. Inyega, J. O. (2009, January). Methodology for teaching medicine: Projects, practicals and laboratory teaching. Paper presented at the *Training of University Lecturers in Pedagogy at the University of Nairobi*, Nairobi.
23. Inyega, J. O. (2008, February). Projects, practicals, and laboratory teaching. Paper presented at the *Training of University Lecturers in Pedagogy at the University of Nairobi*, Nairobi.
24. Inyega, J. O. (2007, September/October). Methodology for science teaching. Paper presented at the *Training of University Lecturers in Pedagogy at the University of Nairobi*, Nairobi.
25. Koballa, T., Upson, L., Minchew, C., & Inyega, J. (2004, April). Improving beginning teacher mentoring experiences: Georgia systemic teacher education framework as a guide for using direct evidence to improve practice. Paper/poster presentation at the *Research Symposium on the Preparation of Educators*, sponsored by The Georgia Systemic Teacher Education Program, The University of Georgia.
26. Inyega J. O. (2003, December). Graduate assistants' teaching experiences in teaching science education courses in pre-service teacher education: A case of international students at the University of Georgia. Paper presented at *The Interdisciplinary Qualitative Studies Advanced Seminar, Second Annual Mini-conference* at The University of Georgia.

Interactive Poster Presentations

1. Inyega, J. O., & Inyega, H. N. (2016). Implementing cross-age peer tutoring in the teaching of reading in Kenyan primary schools. A poster exhibition presented at the *Nairobi Innovation Week* from 1st - 5th August, 2016 at the University of Nairobi Chancellor's Court, Nairobi, Kenya.
2. Inyega, J., Thomson, N., & Butler, M.B. (2005, April). Evidence-based chemistry unit lesson plan designing and implementation following in-service programs: Multi-site cases of teachers in Kenya. A Poster session presented at the *Annual Conference of NARST*, Dallas, Texas, U.S.A.
3. Chepyator-Thomson, R. J., Inyega, J., & Thomson, N. (2003, March). Establishing and conducting collaborative research on indigenous science education, language, and culture in Kenya. A Poster session presented at the *Annual Meeting of NARST*, Wyndham Franklin Plaza Hotel, Philadelphia, Pennsylvania, U.S.A.

Workshops/Seminars Attended/facilitated

1. Supporting Holistic and Actionable Research in Education (SHARE): Language of Instruction Transition in Education Systems (LITES) workshop held at the Safari Club, Lilian Towers, Nairobi, May 26-27, 2022
2. Supporting Holistic and Actionable Research in Education (SHARE): Higher Education Institutions Generating Holistic and Transformative Solutions- Financial sustainability (HEIGHTS-FS) workshop held at the Safari Club, Lilian Towers, Nairobi, June 7-8, 2022
3. University of Nairobi Master of Research and Public Policy (MRPP) Stakeholders' Workshop held at the Silver Springs Hotel, Nairobi, September 22, 2016.
4. Prepare-BSc. Project Workshop on mentorship held in the College of Agriculture and Veterinary Sciences (CAVS), University of Nairobi, from 8th to 11th August, 2016.
5. Workshop on Cross-age Peer Tutoring in the Teaching of Reading in Kenya held at the University of Nairobi, Kisii Extra Mural Centre, Kenya, from 23rd to 26th February, 2016.
6. Workshop on Improving Academic Excellence State of the Art research and Quality Clinical Services by Department of Oral and Maxillofacial Surgery/Oral pathology and Oral medicine, held at Gelian Hotel, Machakos Town from 27th to 28th November, 2015.
7. Workshop on Cross-age Peer Tutoring in the Teaching of Reading in Kenya held at the Kenya Science Campus, University of Nairobi, Kenya on 30th October, 2015.
8. Prepare-BSc. Project Workshop held in the College of Agriculture and Veterinary Sciences (CAVS), University of Nairobi, from 24th to 25th September, 2015.
9. Trainer of Trainers Prepare BSc Project Workshop held in Dar es Salaam/Morogoro, Sokoine University of Agriculture, Tanzania from 22nd to 26th June, 2015.
10. Workshop on Cross-age Peer Tutoring in the Teaching of Reading in Kenya held at the Kenya Science Campus, University of Nairobi, Kenya from 4th to 6th June, 2015.
11. Trainer of Trainers Prepare BSc Project Workshop in Arusha, Tanzania from 1st to 6th March, 2015.
12. Trainer of Trainers Prepare BSc Project Workshop in Copenhagen, University of Copenhagen, from 8th to 15th February, 2015.
13. Workshop to Strategize on Improvement of Academic Programs, Research and Consultancy in the School of Education, College of Education and External Studies, University of Nairobi held at Maanzoni Lodge in Machakos County from 17th May to 19th May 2013

14. Reviewers' workshop organized by the Center for Open and Distance Learning, College of Education and External Studies, University of Nairobi, held at the Kenya Wildlife Service Training Institute, Naivasha, Kenya, from 22nd to 26th October, 2012.
15. Second Conference of International Year of Chemistry 2011(IYC 2011) Celebrations: Chemistry-Our Life Our Future, held at the Central Catering Unit, University of Nairobi from 15th to 17th February, 2012 in Nairobi, Kenya.
16. Workshop on Comparative Education Methodologies held at QC Boardroom, College of Education and External Studies, University of Nairobi from 16th to 17 February, 2012 in Nairobi, Kenya.
17. Writer's Workshop organized by the Center for Open and Distance Learning, College of Education and External Studies, University of Nairobi, held at the Kenya Wildlife Service Training Institute, Naivasha, Kenya, from 10th October to 15th October, 2011.
18. Training Workshop on Research and Grant Proposal Writing organized by the University of Nairobi at the Chiromo Conference Center, University of Nairobi, Nairobi, Kenya, from 26th to 30th September, 2011.
19. Writing Workshop organized by the Center of Open and Distance Learning, College of Education and external Studies, University of Nairobi, held at the Multimedia University College of Communication and Technology, from 4th to 8th April, 2011.
20. Department of Educational Communication and Technology Curriculum Review Workshop held at the Kenya Wildlife Service Training Institute, Naivasha, from 20th to 25th March, 2011.
21. School of Education Bachelor of Education Science Curriculum Review held at the Kenya Commercial Bank Training Center, Karen in February 2011.
22. Training workshop on gender violence against women organized by the Department of Educational Administration at Kenya Institute of Education from 26th to 30th July, 2010.
23. Three-day workshop titled "Towards Effective Research in Innovative Pedagogy in Science Education" by Professor (Dr.) Miles Barker, University of Waikato, Hamilton, New Zealand, Held at Centre for Mathematics, Science and Technology Education in Africa (CEMASTE) from 17th to 19th June, 2010, Nairobi, Kenya.
24. Training Workshop on Education in Emergencies organized by the Department of Educational Administration and Planning at Sportsview Hotel-Kasarani in Nairobi from 16th to 19th March, 2010.
25. Facilitated lecture presentations on methodologies of science teaching during the training of the University of Nairobi lecturers and professors on pedagogy held at the Central Catering Unit Hall, University of Nairobi during the 2007/2008, and 2008/2009 academic years. Nairobi, Kenya.

Postgraduate Student Supervisions

(a) Master's Degree:

SN	NAME	REG. NO.	COURSE	RESEARCH TITLE	YEAR/DATE OF
1.	ASIAGO MARY OSEBE	E57/72714/2008	M. Ed	AN INVESTGAEFFECTS OF INQUIRY BASED INSTRUCTION ON PRESCHOOL CHILDREN'S ACHIEVEMENTS AND INTEREST IN SCIENCEI IN DAGORETIDIVISION NAIROBI.	Graduated on 09- SEP-2011
2.	EUNICE GATERIA OCHENG	E57/72447/2008	M. Ed	IMPACT ON PARENTING SYLES ON CHILDREN'S ACADEMIC PERFORMANCE IN MILIMANI PRESCHOOL IN WESTLANDS DIVISION, NAIROBI PROVINCE KENYA.	Graduated on 09- SEP-2011
3.	KYATHA ONESMUS MUSYOKI	L50/72427/2008	M.A PPM	INFLUENCE OF PERFORMANCE APPRAISAL SYSTEM ON PROVINCIAL ADMINISTRATION'SSERVICE DELIVERY IN EASTERN REGION, NYANZA PROVINCE- KENYA	Graduated on 24- SEP-2010
4.	ONDIEKI GEORGE MORARA	L50/70963/2009	M.A PPM	INFLUENCE OF CONSTITUENCY DEVELOPEMENT FUNDED PROJECTS ON SELECTED INDICATORS OF POVERTY REDUCTION IN KITUTU MASABA CONSTITUENCY, KENYA	Graduated on 24- SEP-2010
5.	MAGETO SHEM MIGOSI	L50/72423/2008	M.A PPM	FACTORSINFLUENCING IMPLEMENTATION OF EDUCATIONAL PROJECTS IN PUBLIC SECONDARY SCHOOLS IN MANGA DISTRICT, NYANZA PROVINCE, KENYA	Graduated on 24- SEP-2010
6.	NJUE OLYMPIA KARIMI	E57/71481/2009	M. Ed	STRATEGIES THAT TEACHERS EMPLOY IN ASSESSING CHILDRENS ACADEMIC ACHIEVMENT IN EARLY CHILDHOOD EDUCATION IN NAIROBI WEST DISTRICT, NAIROBI PROVINCE.	Graduated on 24- SEP- 2010
7.	NJUE ESTHER KAGENDO	E57/72161/2009	M. Ed	FACTORSINFLUENCING IMPLEMENTATION OF SCIENCE ACTIVITY CURRICULUM IN EARLY CHILDHOOD DEVELOPMENT CENTERS	Graduated on 24- SEP- 2010

8.	KANGARA HANNAH WANJIKU	E57/72101/2009	M. Ed	FACTORS INFLUENCING PARENT'S PARTICIPATION IN EARLY CHILDHOOD DEVELOPMENT AND EDUCATION IN PRE- SCHOOLS: A CASE OF LIOKI ZONE, GITHUNGURI DISTRICT	Graduated on 24- SEP- 2010
9.	RUTERE JOSEPHINE KATHURE	E57/74882/2009	M. Ed	IMPACT OF CHILDREN'S OWN INVESTIGATIONS ON PERFORMANCE IN PRE- SCHOOL SCIENCE ACTIVITIES IN EAST DIVISION OF ISIOLO DISTRICT, KENYA.	Graduated on 02- DEC- 2011
10.	MUGUNA GACHERI FLORENCE	E57/78273/2009	M. Ed	PERCEPTION ON THE FACTORS INFLUENCING PERFORMANCE OF PRE- SCHOOL CHILDREN WITH HEARING IMPAIRMENT: A CASE OF KAAGA SCHOOL, IMENTI NORTH DISTRICT	Graduated on 09- SEP- 2011
11.	MUTISO FREDRICK NZANGI	E57/78736/2009	M. Ed	FACTORS INFLUENCING PARENTS AND COMMUNITY INVOLVEMENT IN EARLY CHILDHOOD EDUCATIONAL PROGRAMMES IN MAKUENI DISTRICT, MAKUENI COUNTY- KENYA	Graduated on 09- SEP- 2011
12.	NYAMWAYA DAUDI OBARE	E55/72418/2008	M. Ed	INFLUENCE OF PRINCIPAL'S ROLE CONFLICT ON STUDENTS KENYA CERTIFICATE SECONDARY EDUCATION PERFORMANCE IN KISII NORTH DISTRICT, KENYA	Graduated on 09- SEP- 2011
13.	ANDRIANO GITILE IKUNYUA	E57/62472/2010	M. Ed	IMPACT OF PARENTAL INVOLVEMENT IN EARLY CHILDHOOD EDUCATION ON CHILDREN'S SOCIALIZATION IN TIGANIA NORTH DIVISION, TIGANIA EAST DISTRICT PRE- SCHOOLS.	Graduated on 24- AUG- 2012
14.	MURITHI HENRY	E57/61330/2010	M. Ed	INFLUENCE OF PARENTS SOCIAL ECONOMIC STATUS ON PRE-SCHOOL CHILDREN'S PERFORMANCE IN SCIENCE ACTIVITIES IN AKACHIU DIVISION, IGEMBE SOUTH DISTRICT	Graduated on 07- DEC- 2012
15.	JOSHUA NYAKONI NYANDWAKI	E57/66136/2010	M. Ed	INFLUENCE OF PARENTAL INVOLVEMENT ON CHILDREN'S ACHIEVEMENT IN NUMBERWORK ACTIVITIES IN SELECTED PRE-SCHOOLS IN KIOGORO DIVISION, KISII COUNTY.	Graduated on 07- DEC- 2012

16.	KAVOI MUSEMBI MUTUKU	E57/62523/2010	M. Ed	THE IMPACT OF INQUIRY METHOD ON PRE-SCHOOL CHILDREN'S ACHIVEMENT IN SCIENCE ACTIVITIES IN IVETI DIVISION, KATHIANI SUB- COUNTY, MACHAKOS COUNTY	Graduated on 07- DEC- 2012
17.	DAVID OKEMWA		M.Ed.	INFLUENCE OF SOCIAL ENVIRONMENT ON VISUALLY IMPAIRED CHILDREN DEVELOPMENT OF SCIENCE SKILLS IN A SPECIAL SCHOOL IN KENYA	Graduated, December, 2013
18.	MARY MAINA WAIGWE		M.Ed.	PLAY MATERIALS AND PRE- SCHOOL CHILDREN'S PERFORMANCE IN SCIENCE ACTIVITY IN GATURI DIVISION, MURANG'A COUNTY	Graduated, December, 2013
19.	ZILPIA KEMUNTO MOTURI		M.Ed.	EFFECT OF REFLECTIVE TEACHING ON CHILDREN'S PERFORMANCE IN PRE- SCHOOL SCIENCE ACTIVITIES IN NYAMAIYA DIVISION, NYAMIRA COUNTY	Graduated, December, 2014
20.	MUTISO FRANCIS KITAVI		M.Ed.	IMPACT OF REFLECTIVE TEACHING ON PRE-SCHOOL CHILDREN'S PERFORMANCE IN SCIENCE ACTIVITIES IN IVETI DIVISION, KATHIANI SUB COUNTY, MACHAKOS COUNTY	Graduated, December, 2014
21.	LEAH MIKWA		M.Ed.	INFLUENCE OF PARENTAL INVOLVEMENT ON CHILDREN'S PERFORMANCE IN NUMBER WORK ACTIVITIES IN KANJAI ZONE, TIGANIA WEST, MERU COUNTY	Graduated, September, 2015
22.	WILBERFORCE KIPNGETICH MUTAI		MA (PPM)	IMPACT OF USE OF FARMING TECHNOLOGY ON LIVELIHOOD OF SMALL- SCALE FARMERS IN LONGISA, BOMET COUNTY	Graduated, September, 2018
23.	LINDA MUGURE KIMOTHIO		MA (PPM)	INFLUENCE OF COMMUNITY BASED CONSERVATION INTERVENTIONS ON PEOPLE'S ATTITUDES TOWARDS LION CONSERVATION IN MERU NATIONAL PARK, MERU COUNTY, KENYA	Graduated, December, 2020

24	KENTON MARTIN MANGARE	L50/85065/2016	MA (PPM)	COMMUNITY INVOLVEMENT AND SUSTAINABILITY OF GOVERNMENT-HOUSING PROJECTS AT KIBRA SOWETO EAST IN NAIROBI COUNTY, KENYA	Graduated 2024
25	REBECCA AKINYI MIGWAMBO	E60/38635/2020	M.ED	EFFECT OF DIGITAL CONTENT EVALUATION SKILLS ON INSTRUCTIONAL EFFICACY AMONG TEACHERS OF ENGLISH IN SECONDARY SCHOOLS IN MWALA SUB-COUNTY, KENYA.	Graduated 2024
26	PAUL BRIAN KIMANI	E60/40050/2021	M.ED	EFFECT OF GAMIFIED INSTRUCTION ON SECONDARY SCHOOL STUDENTS' PROBLEM- SOLVING SKILLS IN MATHEMATICSIN GATUNDU NORTH SUB-COUNTY, KENYA	PROPOSAL

(b) Doctor of Philosophy Degree

S/N	Name	Doctorate	Thesis Title	Status
1	IRENE GACHERIA MAGETO	PhD	EVIDENCE-BASED MASTER OF SCIENCE IN FORENSIC NURSING CURRICULUM: A MODEL FOR KENYA. SCHOOL OF NURSING SCIENCES, UNIVERSITY OF NAIROBI	Graduated in December, 2015
2	TIMOTHY WALELA MAONGA	PhD	INFLUENCE OF REFLECTIVE-INQUIRY-BASED TEACHING ON PUBLIC SECONDARY SCHOOL STUDENTS' PERFORMANCE IN GEOGRAPHY MAP WORK IN KENYA." SCHOOL OF EDUCATION, UNIVERSITY OF NAIROBI	Graduated in December, 2015
3	SIMON P. MUNAYI	PhD	EVALUATION OF PRIMARY SCHOOL PHYSICAL EDUCATION TEACHING AND LEARNING PROCESS FOR LEARNERS WITH INTELLECTUAL DISABILITY IN KENYA" SCHOOL OF EDUCATION, UNIVERSITY OF NAIROBI	Graduated in September, 2015
4	WANGAI MICHAEL MWARERI (E96/51256/2016)	D.Ed.	INFLUENCE OF QUALITY ASSURANCE PRACTICES ON QUALITY OF ACADEMIC PROGRAMME IN HIGHER EDUCATION INSTITUTIONS IN KENYA: A CASE OF THE FACULTY OF EDUCATION, UNIVERSITY OF NAIROBI	Completed 2022
5	GATHONI NDUNGU BENSON (E88/55440/2019)	PhD	PERCEPTIONS OF STUDENT ATHLETES AND SPORTS OFFICERS ON THE EFFECTS OF ONLINE BETTING IN KENYAN UNIVERSITIES	Graduated, 2022
6	SAKAJA YONA MANG'USHO (L83/95047/2014)	PhD	MONITORING AND VALUATION SYSTEMS, INSTITUTIONAL CULTURE AND PERFORMANCE OF CURRICULUM INSTRUCTIONAL	Completed 2023
7	KARIUKI CHARLES NDIRITU (A82/55454/2019)	PhD	AN ASSESSMENT OF LEADERSHIP ROLES IN ENHANCING ENVIRONMENTAL STEWARDSHIP IN PUBLIC SECONDARY SCHOOLS IN GITHUNGURI SUB-COUNTY, KIAMBU COUNTY, KENYA	Graduated, 2024
9	EVANS W. MAHAYA (E81/52791/2018)	PhD	INFLUENCE OF DIGITAL MEDIA TECHNOLOGY IN ENHANCING SCIENTIFIC LITERACY AMONG PUBLIC PRIMARY SCHOOL LEARNERS IN NAIROBI COUNTY, KENYA.	Proposal
10	JANE MUIRURI (E87/52062/2017)	PhD	EFFECT OF ONLINE SYNCHRONOUS INSTRUCTION ON PERFORMANCE IN MATHEMATICS AMONG THE EARLY YEARS' CHILDREN, NAIROBI COUNTY, KENYA	Proposal

Referees

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