

CURRICULUM VITAE

1. PERSONAL PARTICULARS

- 1.1 **Full Name:** BWALYA Kelvin Joseph
- 1.2 **Age:** 41
- 1.3 **Marital Status:** Married, 3 kids
- 1.4 **Legal Status:** RSA Permanent Resident
- 1.5 **Current Position;** Professor (Business Information Systems)
Vice Dean (Research & Internationalisation)



1.6 Impact and Special Appointments

- 1.6.1 *NRF Rating: C1 (Established Researcher – 2021 to 2026)*
- 1.6.2 *Google Scholar: (1544 citations; H-index =18). See: <https://scholar.google.co.za/citations?user=bZtGgeIAAAAJ&hl=en>*
- 1.6.3 *Scopus H-index = 8; ID = 56026486500*
- 1.6.4 Board of Directors – Institute of Data Science and Artificial Intelligence (Singapore)
- 1.6.5 Fellow (FIETI) – International Engineering and Technology Institute (Hong Kong)
- 1.6.6 Visiting Professor
 - (1) *Rajamangla University of Technology, Sri Lanka*
 - (2) *Alagappa University, India*
 - (3) *Information and Communications University, Zambia*
- 1.6.7 Reviewer (IT, Information Systems) – National Research Foundation South Africa
- 1.6.8 Member of the Academic Promotions Committee – School of Management, Information Technology and Governance (University of Kwazulu Natal)
- 1.6.9 Programme Chair – CSSS 2022 (International Conference on Computational Social Sciences and Sustainability), March 2022, Hong Kong, China
- 1.6.10 Member of the Technical Committee – DG.O 2021 (22nd Annual International Conference on Digital Government Research)
- 1.6.11 Member of the Scientific Committee - 2020 2nd International Conference on Big Data, IoT, and Cloud Computing (ICBICC 2020), <http://www.icbicc.org/committee.html>
- 1.6.12 Programme Chair - Hong Kong, Online conference, 2020 2nd International Symposium on Big Data and Artificial Intelligence <http://www.isbdai.org/>
- 1.6.13 Programme Chair of the 2018 International Symposium on Big Data and Artificial Intelligence (ISBDAI 2018) held in Hong Kong from 29 to 30th December 2018.
- 1.6.14 Conference Chair – Second International Symposium on Computer Science and Artificial Intelligence (ISCSAI 2018) held in Hong Kong during 29 – 30 December 2018.

- 1.6.15 Conference Chair – 1st International Multi-Disciplinary Conference (IMDC) themed ‘Knowledge Sharing and Innovation Competitiveness for Responsive and Sustainable Development’, Lusaka, Zambia. Attendance: 610.
- 1.6.16 Conference Chair – 2nd International Multi-Disciplinary Conference (IMDC) themed ‘Pursuing Innovation Frontiers for Contemporary Global Knowledge Citizenship’, Lusaka, Zambia. Attendance: 406. August 29 – 31, 2018
- 1.6.17 Member of the Executive Committee, Institute of Data Science and Artificial Intelligence, Hong Kong and Singapore (July 2018 – present).
- 1.6.18 External PhD Supervisor, National University of Science and Technology, Zimbabwe (November 2015 – current).
- 1.6.19 External Quality Assurance expert (Research), Zambia Research and Development Centre (ZRDC). (March 2015 – current).
- 1.6.20 Member of Board of Exams, Annamalai University, India (October 2014 – current).
- 1.6.21 Senior External Researcher & Supervisor, Tswane University of Technology (November 2013 – current).
- 1.6.22 Senior Research Associate, Department of Information and Knowledge Management, University of Johannesburg (March 2013 to August 2016).
- 1.6.23 External Researcher, Information and Communications University, Zambia (October 2012 – current).
- 1.6.24 Post-Doctoral Research Fellow, University of KwaZulu Natal (February 2012 to January 2013).
- 1.6.25 Expert Reviewer and Assessor (IT programmes), Botswana Qualifications Authority (February 2009 – current).
- 1.6.26 Expert Reviewer and Assessor (IT and Information Systems), Zambia Higher Education Authority.

1.7 Academic Qualifications

1.7.1 *Philosophiae Doctor (PhD) in Information Management, University of Johannesburg, South Africa (October 2012) PhD Thesis: “E-Government adoption and synthesis in Zambia: Context, issues and challenges. (supervised by Prof T du Plessis and Prof CW Rensleigh)*



1.7.2 Master of Science in Computer Science, Korea Advanced Institute of Science and Technology (KAIST), Taejon, South Korea (March 2007)
Dissertation: “Time-Cause Visual Content Analysis for low-vision users and MPEG-21 Digital Image Adaptation (DIA) Application” (supervised by Prof Young Man Ro)



1.7.3 Bachelor of Engineering – Electronics and Electrical Engineering, Moscow Power Engineering Technical University, Russia (July 2005)
“Design of electrical networks and systems; analysis of automatic system control, relay automation, generation and transmission of electrical energy”



(supervised by Prof AA Glazunov)

1.8 **Professional experience:**

- 1.8.1 **Professor** – University of Johannesburg, South Africa (August 2019 – current).
- 1.8.2 **Associate Professor** – University of Johannesburg, South Africa (January 2017 - August 2019)
- 1.8.3 **Senior Lecturer (Information Systems)** – Computer Information Systems and sKnowledge Management, Department of Library and Information Studies, University of Botswana (November 2008 – November 2016).
- 1.8.4 **Director and Head** – Research & Development (Zambia Research and Development Centre - ZRDC): (August 2007 – August 2008).
- 1.8.5 **Senior Researcher** – Image & Video Systems Lab, Samsung Electronics, Yuseung Gu, Taejon, South Korea: (March 2005 – July 2007).
- 1.8.6 **Teaching Assistant** responsible for Pattern Recognition; Digital Signal Processing; Data Communications; Advanced Database Systems. (Korea Advanced Institute of Science and Technology - KAIST, Taejon - South Korea): (June 2005 – July 2006).

1.9 **Recent Keynote Speeches**

- 1) *‘Improving Government service delivery through E-service’*, Bank of Namibia Annual Symposium, Windhoek, November 4, 2021.
- 2) *‘Vehicle to Vehicle Communication in Smart City Environments – Technical and Policy Considerations for Africa’*, Africa Digital Week – Green Energy & Smart Cities Digital Transformation Forum, March 2021.
- 3) *‘Information topologies and Architecture – Openness and Sustainability within the confines of the 4IR’*, Keynote speaker for virtual UNILISA conference at the University of South Africa. February 2021.
- 4) *‘Application of Disruptive Technologies in Archives and Records Management’*, Annual Archives and Records Management lecture. Department of Information Science, University of South Africa (UNISA), 2nd Annual Archives Lecture Series, 5 November 2020.
- 5) *‘Automating Archives and Records in the 4th Industrial Revolution – Addressing the nitty-gritty’*, Botswana National Archives and Records Services conference themed ‘Records and Archives Management in the Fourth Industrial Revolution toward attaining a Knowledge-based economy’, 13-14 February 2020, Travel Lodge, Gaborone, Botswana.
- 6) *‘The Value of KM in the Public Service and its role in achieving NDPs’*, Public Service Knowledge Management Conference, Batho Pele House, Arcadia, Pretoria. 6 February 2020
- 7) *‘Relevance of archives in Fourth Industrial Revolution – redefining the terrain in the era of artificial intelligence and dynamic information governance’*, Annual Conference on ‘Archives & Records: Yesterday, Today and Tomorrow – Celebrating of Diamond Jubilee’ (SASA 2019), 3rd July 2019, Birchwood Hotels and Oliver Tambo Conference Centre, Boksburg, Johannesburg, South Africa
- 8) *‘Robotic Process Automation as a Precursor to e-Government in the Fourth Industrial Revolution’*, 20th Information Studies Annual Conference, Permont Metcourt, Empangeni, South Africa.
- 9) *‘Emergency of blockchains as Contemporary Technology Innovation’*, International

Symposium on Computer Science and Artificial Intelligence (ISCSAI 2018), 29th December 2018, Bishop Lei International House, Hong Kong, China

- 10) 'Contemporary and Future Trends in Information Science: exploring the Digital Conundrums', 19th Information Studies Annual Conference Navigating the Digital Economy 12th-14th September, 2018 Richards Bay, Kwazulu-Natal, South Africa.
- 11) 'E-Government as a platform for managing dynamic public information', International Symposium on Computer Science and Artificial Intelligence (ISCSAI 2017) Shenzhen, China 2017.

1.10 **Special Invited lecture**

1. 'Information Systems Integration, Intelligence and Automation – Precursor to Fourth Industrial Revolution', National University of Science and Technology Webinar, Windhoek, Namibia, November 3, 2021.

1.11 **Funds attracted for Research and Innovations**

- 1) March 2007: Research funding from the IDRC PEP (research grant – US\$100,000), Principle Researcher, developing of a temporal socio-economic database system based on poverty metrics in Mungule, Lusaka Province of Zambia (as part of a project for the Zambia Research & Development Centre), March 2007 to March 2008, http://www.dlsu.edu.ph/research/centers/aki/participant/cbms/network_team_profiles/africa_zambia.aspx
- 2) May 2007: ERF research grant – US\$24,980 (Principle Investigator) for research capacity building (as part of a programme for research intensification at the Zambia Research & Development Centre) from May 2007 – May 2008.
- 3) June 2007 – February 2008: US\$25,000 IFS (Sweden) Grant for water research – Co-Research (as part of a project for the Zambia Research & Development Centre).
- 4) February 2005 – December 2006: Korea Research Foundation (KRF) research award for research in low vision adaptation - US\$40,000 (conducted during 2006/7 at Samsung's Image & Video Systems Lab KAIST).
- 5) August 2013: CV Raman International Senior Research Fellowship: to conduct post-doctoral research in India (ended up not going because of job commitments).

1.12 **Membership to professional bodies/associations**

- 1) Member – South African Institute of Computer Scientists and Information Technologists Constitution (<http://www.saicsit.org/>) (May 2015 – current)
- 2) Member – Institute of Information Technology Professionals South Africa (<https://www.iitpsa.org.za/>) (June 2014 – current)
- 3) Member – Library and Information Association of South Africa LIASA (March 2014 – current)
- 4) Member - South African Society for Archivists SASA (August 2011 – current)
- 5) Member – Korea Information Processing Society KIPS (November 2007 - current)
- 6) Member - The Global Community of Information Professionals: Association of Information and Image Management (<http://www.aiim.org>) (July 2011 – current)
- 7) Member - Association of Information Systems Professionals (<http://aisp.bus.wisc.edu/>) (December 2016 – current)

1.13 **Awards and Scholarships**

- 1) *Best paper Award*. AMEIT 2014 Hong Kong Conference, September 2014.

- 2) *Best paper Award*. Korea Information Processing Society, Seoul 2007.
- 3) *Samsung Excellency Academic Award* (2005-2007). To study towards Master Degree in Computer and Electrical Engineering at Korea Advanced Institute of Science and Technology, South Korea.
- 4) *Russian Government scholarship* (2000-2005) to study for Bachelors degree in Moscow.

1.14 Notable short courses undertaken

- 1) **Foundations of Leadership Programme for Deans**, Higher Education Leadership and Management Programme, 30-31 July 2019, Cape Town.
- 2) **OMiLab: Advanced Enterprise Architecture Modelling Support through Meta-modelling platforms (ADOxx)** – Research workshop attended at the University of Pretoria on 25th September 2018.
- 3) **Partial Least Squares Equations Modelling Research Methods Workshop** – Workshop at the University of Mauritius from 8th to 9th August 2018. The workshop looked at ‘Partial Least Squares Equations Modelling’ (PLS-SEM) using SmartPLS3.
- 4) **Blackboard Training** – Completed beginning and intermediate levels (Week A and Week B), Blackboard online teaching, Certified Blackboard Practitioner.
- 5) **Tertiary Education Accreditation and Institutional Audit (November 2017)**. Organised by the Higher Education Authority (HEA) Zambia.
- 6) **Module Development and Online Courses Management** – Workshop organised by the Centre for Continuing Education, University of Botswana. November 2011.
- 7) **Tertiary Education Accreditation Processes** (February 2009) (3 days). Organised by Botswana Tertiary Educational Council, Gaborone Fairgrounds.
- 8) **Advanced Research Management Training for Senior Researchers (Sept 2008)** (5 days) Organised by the Korea Research Foundation. Daegum Hall, Seoul KyoYuk MunHwa HoeKwan Hotel, South Korea.
- 9) **Research Methodology for postgraduate students** – University of Johannesburg, 2010.
- 10) **Economic and Community-Based Policy Analysis Training** (June 2007) organised by the IDRC/PEP-NET, Lima, Peru.
- 11) **WASHE Training** (March 2008), organised by the ISF (Sweden), Mombasa, Kenya.

1.15 Postgraduate Supervision

	Student Name	Study Title	year	Status
PhD	1 Adeyelure TS	Mobile business intelligence deployment framework for small and medium enterprises in the information communication and technology sector: case study of South Africa and Nigeria.	2016	Graduated
	2 Banda C	The use of web 2.0/social networking tools by librarians in Public University Libraries in Zambia.	2016	Graduated
	3 Abdulmumin I	An Investigation into the Adoption and Usage of digital library resources by academic staff in some Nigerian Universities	2016	Graduated
	4 Lawal O	An examination of agriculture knowledge and information support system in irrigation farming: The case of north west Nigeria	2017	Graduated

	5	Fredrick Kanobe	Information Security Issues in the Cloud Environment. (External co-supervision, Tswane University of Science and Technology).	2019	Graduated
	6	Mupaikwa E	Determinants for use of ICTs for sharing information on agriculture by farmers in selected regions of Zimbabwe (Enrolled in National University of Science and Technology, Zimbabwe)	2020	Graduated
	7	*Gezana T.	'E-Governance for Inclusive & Collaborative Local Governance in the Context of Devolution, Post COVID-19 and Beyond. A Case Study of Mutare Local Authority	2020-22	Expected 2022
	8	Mabe K	Critical Information and Knowledge Management Themes for the Fourth Industrial Revolution.	2020-22	Expected 2022
	9	Kaisara G	A framework for the Implementation of Mobile-based Learning in Namibia	2020-22	Expected 2022
	10	Gaorekwe V	Towards a hybrid Approach to Data Warehousing in Information-Intensive Environments	2020-22	Expected 2022
Masters	1	Kuli T	Management of Short Message Service by Cellular Network Providers: A Case Study of BeMobile in Botswana.	2011	Graduated
	2	Ssebbale F	Investigating the Factors Contributing to Accessibility and Usage of e-Resources at Uganda's Nkumba University Library using the UTAUT model	2012	Graduated
	3	Mosweu O	Factors Influencing Adoption of the Document Management Workflow System by Action Officers and Records Officers at the Ministry of Trade and Industry in Botswana.	2012	Graduated
	4	Chipembele M	ICT readiness assessment of the Copperbelt University, Kitwe – Zambia	2013	Graduated
	5	Thanye KG	Appraisal practices of architecture and building records at Gaborone City Council, Botswana.	2013	Graduated
	6	Motloung T	The determinants of the penetration and use of Software as a Service for improving Customer Service	2018	Graduated
	7	Simwanza S	Knowledge Management in Scrum Teams within a Consultancy Company	2019	Graduated
	8	Baloyi MP	Factors influencing adoption of Mobile learning in Higher Education Institutions: A case of Tshwane University of Technology (enrolled in TUT)	2018	Graduated
	9	Mosoma RM	A Contextual framework for mHealth monitoring system for HIV/AIDS patients in South Africa (enrolled in TUT)	2018	Graduated
	10	Masetuka N.		2020	Graduated
	11	Prince Ogochukwu	Big Data analytics for competitive advantage in the Financial Service Sector	2021-22	Expected 2022

*Enrolled at Africa University, Zimbabwe

1.16 Current moderation of external courses

(i) Wits University

- Managing Innovation at the Firm Level and Issues in Organizational Design: BUSA 7358A
- Strategy: BUSA 52040
- Strategic Management of Innovation I: BUSA7360A
- Strategic Management of Innovation II: BUSA7360B
- Innovation in the Media & ICT Sectors: BUSA 7356A

- (ii) *University of Cape Town*
 - Information Architecture
- (iii) *University of Zululand*
 - *Networks and Computer Center Management - AINF362*
- (iv) *University of KwaZulu Natal*
 - *Web-Based Information Systems*
- (v) *Tshwane University of Technology*
 - Advanced Business Analytics: ABL401T
 - Business Analysis and Applications: BAA117V
- (vi) *University of Pretoria – GIPS*
 - Digitisation Strategy & Innovation: GIL850
 - Digital Disruption Moderation: GIC870
 - Emerging Technologies & The Future of Business: GIL852
 - Technology & Emerging Markets: GIC853

1.17 Consultancy and research focus:

A	Consultancy	IT competence audits, IT programme reviews, e-Government, systems integration, e-Records integration, process modelling, information policies, database design, etc.;
B	Research interests	Ambient Intelligence, blockchain, Big Data and predictive analytics; adaptive e-Government, fog/cloud computing, information and computational modelling; information architecture.
C	Higher education focus	Programme reviews and examination, programme/module development, postgraduate supervision and examination, mentoring of academic staff, experienced and accomplished researcher with high-impact publications.

1.18 Contact Information

School of Consumer Intelligence and Information Systems
 College of Business and Economics | PO Box 524 | Auckland Park | 2006
 Office: A Ring BRIDGE 507 | kbwalya@uj.ac.za

Mobile: +27 73 452 1325

Office: +27 11 559 2028

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2. TEACHING

Year 2008 - 2018 (University of Botswana; University of Johannesburg)

Course No	Course Name	Level	No. of Students
ISS623	Intermediate Java Programming	Postgraduate	8; 16; 25
IRM	Knowledge at Risk	Postgraduate	124
LIS622	Online Information Retrieval	Postgraduate	13;8
IKM - 3B	Competitive Intelligence	Undergraduate	182
IKM425	Management Information Systems	Honors	40; 56
LIS605	Communications and Computer Networks	Postgraduate	11;9

LIS602	Database Systems	Postgraduate	8
ISS431	Enterprise Architecture	Undergraduate	16;7;19
ISS305	IS Analysis & Design	Undergraduate	9;9
BIM301	Information Security	Undergraduate	14
LIS104	Internet & Web Design	Undergraduate	24;28;92; 67;88
ISS334	Information Systems Security	Undergraduate	52
BIM300	Distributed Systems	Undergraduate	16;19;29;38;54
LIS406	Database Management System & Design	Undergraduate	45;44;56;38;45
LIS202	IT Tools and Applications	Undergraduate	72;74;70; 58
ISS311	Data and Information Management II	Undergraduate	68;72
BIM201	Web Information Management	Undergraduate	48;32;19'26'34
BIM205	Business Process Modeling	Undergraduate	30;23;19;23;29
LIS212	Information Resources in Business	Undergraduate	180

2.3 Courses taught at other Universities

Course No	Course Name	School	No. of Students
KM200	Knowledge Management	Institute of Development Studies	126
MYT300	Distributed Computer Systems	Botho University, Botswana	49
IPC200	C++ Programming	Botho University, Botswana	96

2.5 Selected Thesis Examinations

a) PhD

- 1) Examination of a PhD Thesis entitled 'Utilising artificial intelligence technology for the management of records at the council for scientific and industrial research in South Africa', Mshilo Thomas Modiba (University of South Africa, 2021).
- 2) Examination of a PhD in Computer Information Systems entied 'An Integrated Model for Information Technology Servitization', Palesa Chuene (Wits University, 2021).
- 3) Examination of a PhD proposal entitled 'Influence of business model activity system design on digital disruption in the South African telecommunications sector', Thokozani Khwela (Wits University, 2020).
- 4) Examination of Doctor of Philosophy degree in Information Systems entitled 'SQL Comprehension and Synthesis George', Rabeshi Obaido, (Wits University, 2020).
- 5) Examination of a doctoral thesis entitled 'The Use of Free Open Source Library Management Systems in Higher Education Institutions in Zambia: Adoption Footprints, Benefits and Challenges', Candidate: Bwalya Tuesday (University of Zambia, 2020).
- 6) Examination of Doctor of Literature and Philosophy entitled 'Technological Initiatives in the Advent of Web 2.0 in Academic Libraries in Ghana', Mirriam Linda Akeliwe, (University of South Africa, 2020).
- 7) Examination of a PhD thesis entitled 'Knowledge Sharing through Social Media Among Members of the African Community of Practice', Sarlomie Farisai Mbasera (University of Kwazulu-Natal, 2020).

- 8) Examination of PhD in Information Systems, A contextual framework for e-Government adoption in the Southern African Development Community: A case of Zimbabwe, T Chikerema (University of North West, 2019).
- 9) Examination of PhD entitled 'An Integrative Framework for Regulating Privacy in Emerging Technologies', P Nyoni, (University of South Africa, 2019).
- 10) Examination of Doctor of Philosophy degree entitled 'Adoption of E-government in Papua New Guinea', Martin Daniel, (Divine World University, 2019).
- 11) Examination of a Doctor of Philosophy in Information Studies: 'Information Behaviour of the Professoriate in selected Federal universities in South West Nigeria'. Simeon Ambrose Nwone (University of Kwazulu Nata, 2018)
- 12) Examination of a Doctor of Philosophy in Computer Science: 'A Conceptual Framework for the Mining and Analysis of the Social Media Data'. Sethunya Joseph. (Botswana University of Science and Technology, 2018)
- 13) Examination of a Doctor of Philosophy in Information Studies: 'Knowledge Management in Learning Software Organisations in Kwazulu Natal, South Africa'. Mzwandile Muzi Shongwe (University of Kwazulu Nata, 2018)
- 14) Examination of Doctor of Philosophy in Information Systems: 'Adoption of Free Desktop Open Source Software in Developing Countries in Africa: A Case of Kenyan University Students'. John Wachira Kamau (University of South Africa, 2017).
- 15) Examination of DLitt et Phil in Information Science: 'Integration of national information systems for socio-economic development in Ghana'. ET Ayenor (University of South Africa, 2017).
- 16) Examination of Philosophiae Doctor in Computer Information Systems: 'Evaluating and Improving the Usability of e-Government Websites in Sub-Saharan Africa for Enhancing Citizen Adoption and Usage'. Verkijika Silas Formunyu (University of the Free State, 2017).
- 17) Examination of Doctor of Philosophy and Literature Degree in Information Science: 'Strengthening Agricultural Knowledge Systems for Improved Rural Livelihoods in Morogoro Region of Tanzania'. Wulystan Pius Mtega (University of South Africa, 2016).
- 18) Examination of a PhD thesis entitled 'Managing the Operating Systems of University Libraries in Tamil Nadu: A Study'. Rimai Atonring (Madurai Kamaraj University, India, 2014).
- 19) Examination of PhD thesis entitled 'Information Seeking Behaviour of Faculty Member of Arts and Science Colleges in Chennai District – A Study'. Poompavai (Bharathiar University, India, 2015).
- 20) Examination of a PhD thesis entitled 'Utilisation of e-Resources by faculty members of polytechnic colleges in Tuticorin District, A study'. JM Dayan (Annamalai University, India, 2015).
- 21) Examination of a PhD thesis entitled 'Use of electronic resources and services by faculty members of women's arts and science colleges in Chennai: A study'. S. Dharmambihai

(Annamalai University, India, 2015).

- 22) Examination of a PhD thesis entitled 'Awareness and utilization of ICT based resources and services among the users of arts and science colleges affiliated to Manonmaniam Sundaranar University, Tirunelveli: A study'. A. Jebamalar (Annamalai University, India, 2014).
- 23) Examination of a PhD thesis entitled 'A scientometric study on Leprocy research: A global perspective'. R. Rajeswari (Annamalai University, India, 2014).
- 24) Examination of a PhD thesis entitled 'A study on resources and services in nursing college libraries at Bangalore City, Karnataka'. G. Venkatesh (Annamalai University, India, 2014).

b) Masters

- 1) Examination of Masters thesis in Information Systems entitled 'Point of reference analyses of three machine learning algorithms for detecting coffee leaf rust disease', Doreen Lyimo (University of Botswana, 2021).
- 2) Examination of Masters thesis in Information Systems entitled 'A Data Warehouse Model for Education Data in Botswana', Goitseone Handly (University of Botswana, 2021).
- 3) Examination of Masters thesis in Information Systems entitled 'Integrating Personal Identification Systems: A Data Warehouse Solution for Botswana', Molly Nkamogelang Kgobathe (University of Botswana, 2021).
- 4) Examination of Masters thesis in Information Science entitled 'Adoption of free and open source software for the management of electronic records by municipalities in gauteng province in south africa', Shekgola Mahlatse Moses (University of South Africa, 2020).
- 5) Examination of Masters thesis in Information Science entitled 'Enhancing accessibility of public records in South Africa through a centralised electronic retrieval system', Johannes Jurie Pieterse (University of South Africa. 2021).
- 6) Examination of Masters Master of Management in Innovation Studies thesis entitled 'Mobile network operator willingness to cannibalise as a dynamic capability', Ndivhuwo Ramukumba (Wits University, 2021).
- 7) Examination of Masters in Information Science entitled 'The use of web technologies by librarians to support researchers and students at an Open Distance e-Learning university', M A Tshikotshi (University of South Africa, 2019).
- 8) Examination of Master in Computing dissertation entitled 'Qualitative Assessment of the e-Readiness of end users (Citizens and government employees in embracing the e-Government initiative in the Western Cape' by Channel Zhou (University of South Africa, 2018).
- 9) Examination of Master in Information Science dissertation entitled 'Integration of Information Management Systems to Enhance Business Intelligence at the Department of Transport in South Africa' by Tshepo Chauke (University of South Africa, 2018).
- 10) Examination of Master of Commerce in Computer Science and Information Systems

entitled ‘Investigating factors affecting cloud computing adoption amongst SMME’s in the North West Province’ by Phenyio Bagnold Modisane (North West University, 2018).

- 11) Examination of Masters Degree in Computer Science dissertation entitled ‘Quality-of-service based framework for wireless sensor networks in precision agriculture application’ by Akakandelwa A (North West University, 2017).
- 12) Examination of Masters in Computer Science & Information Systems entitled ‘Using ICT as a competitive tool for SMEs in Mafikeng’ by Malotle Donald Motlhanke (North West University, 2017).
- 13) Examination of Masters in Computing dissertation entitled ‘Automatic Comprehension of Customer Queries for Feedback Generation’ by Nnamdi Ekenedilichukwu Okwunma (University of Witwatersrand, 2017).
- 14) Examination of Masters of Philosophy (MPhil) in Information Management dissertation entitled ‘User Perspectives on Document Management System Efficiency at ESKOM’ by Mabisela (University of Johannesburg, 2013).
- 15) Examination of Masters of Arts in Information Science dissertation entitled ‘The Influence of Web2.0 Technologies on the Use of Public Libraries in Mangaung Metropolitan Municipality, South Africa’ by MM Matobako (University of South Africa, 2016).

3. Research and Publications

3.1 Scholarly Books

1. **Bwalya, K.J.** (2018). The e-Government Development Discourse: Analysing Contemporary and Future Growth Prospects in Developing and Emerging Economies. AOSIS Publishing. pp. 1- 334. ISBN: 978-1-928396-57-4.
2. **Bwalya, K.J.** (2018). Decolonization of e-Government Research and Practice: Exploring Contextual Issues and Opportunities in Africa. AOSIS Publishing. pp. 1- 354. ISBN: 978-1-928396-75-8.
3. **Bwalya, K.J.**, & Mutula, S.M. (2014). E-Government Implementation, Adoption and Synthesis in Developing Countries. IFLA/De Gruyter "Global Studies in Libraries and Information. *de Gruyter Saur, ein Imprint der Walter de Gruyter GmbH, Mies-van-der-Rohe-Straße 1, 80807 München, Germany.* 340 pp, ISBN: 978-3110304756.
4. Moahi, K.H., **Bwalya, K.J.**, & Sebina, P.M., & (2017). Health Information Systems and the Advancement of Medical Practice in Developing Countries, Idea Group Publishing, Hershey, USA. 300 pages, ISBN: 9781522522621.
5. **Bwalya, K.J.**, & Mutula, S.M. (2015). Handbook of Research on Electronic Democracy and Government. Idea Group Publishing, Hershey, USA. April 2015. 426 pp. ISBN: 978-1466684300.
6. **Bwalya, K.J.**, Mnjama, N., & Sebina, P.M. (2014). Concepts and Advances in Information and Knowledge Management – Studies from Developing and Emerging Economies’. Chandos Publishing, UK. February 2014. 269 pp. ISBN: 978-1843347545.
7. Moahi, K.H., Sebina, P.M., & **Bwalya, K.J.** (2014). Digital Access and E-Government: Perspectives from Developing and Emerging Countries. Idea Group Publishing, Hershey, USA. March 2014. ISBN: 978-146665868.
8. **Bwalya, K.J.** (2013). Technology Development and Platform Enhancements for Successful Global E-Government Design. Idea Group Publishing, Hershey, USA. December 2013. 340 pp. ISBN: 9781466649002.
9. **Bwalya, K.J.**, & Zulu, S. (March 2012). Handbook of Research on E-Government in Emerging

Economies: Adoption, E-Participation, and Legal Frameworks. Idea Group Publishing, Hershey, USA. Volume 1&2, 1056 pp. ISBN: 978-1466603240.

3.2 Chapters in Scholarly Books:

10. Bwalya, K.J. (2021). Automating public business processes – Towards AI-augmented government. Information knowledge and technology for Development in Africa, (In press).
11. Bwalya, K.J. (2020). Spatial intelligence and vehicle-to-vehicle communication: Topologies and architectures, Connected Vehicles in the Internet of Things: Concepts, Technologies and Frameworks for the IoV, 2020, pp. 19-36
12. Bwalya, K.J. (2020). Protocols and design structures for vehicular networks, Connected Vehicles in the Internet of Things: Concepts, Technologies and Frameworks for the IoV, 2020, pp. 101-119
13. Niemand C., Bwalya, K.J. (2020) Theories in Information Management: Analysing Development Trajectory, Handbook of Research on Connecting Research Methods for Information Science, 9781799814719, (pages 40-51).
14. Bwalya, K.J. (2019). The smart city of Johannesburg, South Africa, Smart City Emergence: Cases From Around the World, 2019, pp. 407-419
15. Bvuma, S., & Bwalya, K.J. (2019). Empowering Communities and Improving Public Services Through Open Data: South African Local Government Perspective, Public Administration and Information Technology, 2019, 31, pp. 141-160
16. Bwalya, K.J. (2019). Blockchain for Open Data – Exploring Conceptual Underpinnings and Practice, Public Administration and Information Technology, 2019, 31, pp. 161-175
17. Dinah, W., Lefika, P.T., & Bwalya, K.J. (2019). The Role of Open Data in Smart Cities: Exploring Status in Resource-Constrained Countries, Public Administration and Information Technology, 2019, 31, pp. 105-121
18. Bwalya, K.J. (2019). Ambient Intelligence in Smart City Environments: Topologies and Information Architectures, In Z. Mahmood (Ed.) Guide to Ambient Intelligence in the IoT Environment, pp. 3 – 22. ISBN 978-3-030-04172-4, Springer.
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7. **Bwalya, K.J.**, & Moalosi, B. (2013). Review of a proposal for the introduction of a programme to be offered at Botho University: Bachelors Degree in Printing and Media. Submitted to the Tertiary Education Council, Gaborone. 2013.
8. **Bwalya, K.J.**, & Tamukate, R. (2013). Review of a proposal for the introduction of a programme to be offered at Botho University: Professional Diploma (Hons) in Mobile Computing. Submitted

- to the Tertiary Education Council, Gaborone. 2013.
9. **Bwalya, K.J.**, & Tamukate, R. (2013). Review of a proposal for the introduction of a programme to be offered at Botho University: BSc (Hons) in Mobile Computing. Submitted to the Tertiary Education Council, Gaborone. 2013.
 10. **Bwalya, K.J.**, & Tamukate, R. (2013). Review of a proposal for the introduction of a programme to be offered at Botho University: Professional Diploma (Hons) in Network Security and Computer Forensics. Submitted to the Tertiary Education Council, Gaborone. 2013.
 11. **Bwalya, K.J.**, & Tamukate, R. (2013). Review of a proposal for the introduction of a programme to be offered at Botho University: Bachelor of Science (Hons) in Network Security and Computer Forensics. Submitted to the Tertiary Education Council, Gaborone. 2013.
 12. **Bwalya, K.J.**, & Tamukate, R. (2013). Review of a proposal for the introduction of a programme to be offered at Botho University: Bachelor of Engineering in Computer Science & Engineering. Submitted to the Tertiary Education Council, Gaborone. 2013.
 13. **Bwalya, K.J.**, Moalosi, B., Namesegang, B. (2011). Review of a proposal for the introduction of a programme to be offered at Limkokwing University: Information Technology. Submitted to the Tertiary Education Council, Gaborone. June 2011.
 14. **Bwalya, K.J.**, Moalosi, B., Namesegang, B. (2011). Review of a proposal for the introduction of a programme to be offered at Limkokwing University: Mobile Computing. Submitted to the Tertiary Education Council, Gaborone. June 2011.
 15. **Bwalya, K.J.** Review of a proposal for the introduction of a Bachelor of Business Management Degree in Information Technology at Baton Rouge College. Submitted to the Tertiary Education Council, Gaborone. August 2011.
 16. Tachiona, B., **Bwalya, K.J.**, & Tamukate, r. (2010). Programme assessment: Accreditation Team Report for ABM University College - Advanced Diploma in Purchasing and Supply. January 2010. Submitted to the Tertiary Education Council, Gaborone.
 17. **Bwalya, K.J.**, Tamukate, R., & Nkala, G. (2013). Programme assessment: Accreditation Team Report for the information Technology Top-Up NIIT-OU Degree, NIIT Botho College. November 2009. Submitted to the Tertiary Education Council, Gaborone.
 18. **Bwalya, K.J.**, Velna, A., & Nkala, G. (2013).. Programme assessment: Accreditation Team Report for Gaborone Institute of Professional Studies, BSc. Top-up Degree (In collaboration with Greenwich University), December 2009. Submitted to the Tertiary Education Council, Gaborone.
 19. **Bwalya, K.J.**, Tamukate, R., & Nkala, G. (2013). Programme assessment: Accreditation Team Report for Limkokwing University of Creative Arts and Technology - Associate Degree in Information Technology. November 2009. Submitted to the Tertiary Education Council, Gaborone.
 20. **Bwalya, K.J.**, Tamukate, R., & Nkala, G. (2013). Programme assessment: Accreditation Team Report for Limkokwing University of Creative Arts and Technology - Associate Degree in Business Information Technology and Business Information Systems. February 2009. Submitted to the Tertiary Education Council, Gaborone.

3.7 Non peer reviewed publication(s)

21. **Bwalya, K.J.** (2012). Citizens' engagement in e-Government in Zambia: a discussion paper, UBRISA, University of Botswana. Retrieved October 13, 2013 from http://www.ubrisa.ub.bw/bitstream/handle/10311/1146/Bwalya_Unpublished_2011.pdf?sequence=1

3.8 Module Development

1. LIS406 – Database Management System and Design. Teaching module designed for Bachelors in Library and Information Studies (BLIS) distance mode – University of Botswana Centre for Continuing Education. Role: **Author (2011)**.

2. BIM303 – Advanced IT Applications. Teaching module designed for Bachelors in Library and Information Studies (BLIS) distance mode – University of Botswana Centre for Continuing Education. Role: **Author (2011)**.
3. LIS202 – IT Tools and Applications. Teaching module designed for Bachelors in Library and Information Studies (BLIS) distance mode – University of Botswana Centre for Continuing Education. Role: **Content Reviewer (2010)**.

3.9 Research Reports

1. Kalusopa, T., & **Bwalya, K.J.** (2011). Situational analysis on labour market information systems and development of prototype labour market information system for the SADC Secretariat. Presented at the Technical Committee consensus workshop, Harare, Zimbabwe, March 13-17, 2011.
2. **Bwalya, K.J.** (2008). Technical Report: CBMS Project – Zambia (April 30, 2007 – April 30, 2008), Submitted to the PEP-IDRC Philippines as preliminary report for project funding.
3. **Bwalya, K.J.**, Silumbe, R., & Chipakata, C. (2008). Design and Pilot Test of CBMS in Makishi and Mungule areas (Lusaka Province of Zambia). CBMS Working Paper 2008-11. Submitted to the PEP-IDRC Philippines.

4. SERVICE

4.1 Service to universities

- 1) Vice Dean – College of Business and Economics, University of Johannesburg (October 2018 – current)
- 2) Member – Senate Higher Degrees Committee, University of Johannesburg
- 3) Chair – Higher Degrees Committee, College of Business and Economics, University of Johannesburg
- 4) Chair – CBE Research Committee, College of Business and Economics, University of Johannesburg
- 5) Chair – CBE Assessment Committee
- 6) Ex-Officio – CBE Ethics Committee
- 7) Member – College Leadership Team (CLT)
- 8) Member – CBE Promotions Committee
- 9) Member – Library Advisory Committee University of Johannesburg
- 10) Member – Senate, University of Johannesburg
- 11) Member – Senate Higher Degrees Committee, University of Johannesburg
- 12) Member – University Research Committee, University of Johannesburg
- 13) Member – Library Advisory Committee, University of Johannesburg
- 14) Member – Postgraduate Board, University of Johannesburg
- 15) External PhD Supervisor – Tswane University of Science and Technology
- 16) Reviewed a Masters programme in Computer Networking at Botho University.
- 17) Member of the Promotions Committee, University of Kwzulu Natal, June 2020 – current.
- 18) External Examiner for course Web Based Information System (UKZN): November 2013 - current.
- 19) External Examiner for Masters’ thesis entitled “User Perspectives on Document Management System Efficiency at ESKOM”: University of Johannesburg: Mabitsela, Masters of Philosophy, August 2013.
- 20) External Examiner and Visiting member of the Exam Body, Alagappa University, India.
- 21) External Examiner, PhD Programmes, Mohamed Sathak College of Arts and Science, India.
- 22) External Examiner, PhD Programmes, Annamalai University, India.
- 23) Coordinator of the BIS21 – Bachelor of Information Systems programme review committee (2014). University of Botswana.

- 24) Member of the taskforce team mandated to design a proposal for MA Degree in Social Informatics (March 2013 – 2016). University of Botswana.
- 25) Convener of the departmental seminar and presentations committee (December 2013 – 2016).
- 26) Chair of the Bachelor of Information Systems Cognate core committee - to design the cognate core for information systems (July 2013 – 2016). University of Botswana.
- 27) Member of the departmental research committee (March 2013 – 2016). University of Botswana.
- 28) Convener of the Information Systems (BIS210) committee (July 2012 – 2016). University of Botswana.
- 29) Chairman of the BIKM – Bachelor in Information and Knowledge Management programme design committee (May 2012 – August 2012). University of Botswana.
- 30) Member of department senior management committee (February 2012 – 2016). University of Botswana.
- 31) Coordinator of the BIS210 Cognate Core Committee (2012 – 2016). University of Botswana.
- 32) Faculty representative on the University Computer Science Committee (September 2011 – 2016). University of Botswana.
- 33) Member of the University Taskforce team convened by the Dean, Humanities on Information Systems (IS) programs in UB. (March 2010 – February 2011).
- 34) Member, DLIS Biennial Conference Committee (2010). University of Botswana.
- 35) Module writer for the BALIS online programme (2010). University of Botswana.
- 36) Member of DLIS Proposal Presentation Committee (2010 – 2016). University of Botswana.
- 37) Participating in teaching practice (June – July 2010). University of Botswana.
- 38) Member of the postgraduates programme review and harmonization committee (2010 – 2011).
- 39) Member of the LIMSA Students Association (August 2010 – October 2011). University of Botswana.
- 40) Secretary, departmental (DLIS) Board (January 2009 – March 2011). University of Botswana.
- 41) Member of the BIM 400-Practicum and Projects Assessment Committee (2009 – 2010).
- 42) Member of the Short Courses Committee (2009 – 2010). University of Botswana.
- 43) Member of the computer laboratory committee (2009 – 2016). University of Botswana.
- 44) Students advising and practical attachment supervision (January 2009 – 2016). University of Botswana.
- 45) Coordinator of the SECAT / Teaching Assistants (TAs) and the Examinations Timetable Committee (January 2009 – 2016). University of Botswana.
- 46) Coordinator of the Staff welfare committee (July 2009 – August 2013). University of Botswana.
- 47) Member of the Departmental marketing committee (2008 – 2010). University of Botswana.
- 48) Member of the BIM402 and BIM400 Project's Assessment Committee (2008 – 2016).
- 49) Member of the GPA and Credit verification committee (2008 – 2016). University of Botswana.

4.2 Professional Service

4.2.1 General professional service

1. Reviewer for ARCIS Book of Readings in Inform Science and Technology (Ibadan, Nigeria) [2012]
2. Member of the Advisory Board: International Journal of Information Processing and Communication (IJIPC) (Nigeria). (June 2011 - current)
3. Member of the Editorial Board: E-Governance and Civic Engagement: Factors and Determinants of E-Democracy (Edited book Manoharan, A., & Holzer, M.). (August 2010 – December 2011)
4. Member of the Advisory Board: South African Journal of Information Management (SAJIM). (March 2009 – current)
5. Member of the Advisory Board: International Journal of Computer and Network Engineering (Malaysia). (January 2009 – current)

6. Acted as referee in 14 edited books produced by IGI-Global, Hershey, USA (December 2009 – August 2011)

4.2.2 Review Services in Academic Journals etc.

1. “The Effects of Diacritics on Web Search Engines’ Performance for Retrieval of Yoruba Documents”, for *African Journal of Library, Archives and Information Science*. Reviewed on 02.01.2014.
2. “E-Government Service Development: Enhancing Interoperability and Collaborations in Business”, for *Inderscience International Journal of Electronic Governance*. Reviewed on 30.12.2013.
3. “Social-economic Factors Affecting e-Government Adoption in Tanzania”, for *ESARBICA Journal*. Reviewed on 23.11.2013.
4. “Critical Factors for Enabling Knowledge Sharing Between Government Agencies within South Africa”, for *South African Journal of Information Management (SAJIM)*. Reviewed on 23.11.2013.
5. “Enabling information sharing by establishing trust in Supply Chains: A case study in the south African Automotive Industry”, for *South African Journal of Information Management (SAJIM)*. Reviewed on 14.04.2011.
6. “The use of websites by political parties in South Africa”, for *South African Journal of Information Management (SAJIM)*. Reviewed on 10.04.2010.
7. “Investigating the use of knowledge management amongst City of Johannesburg museums”, for *University of Johannesburg Annual Information and Knowledge Management Conference*. Reviewed on 12.10.2013.
8. “Knowledge cafés as an effective technique for knowledge sharing: An academic perspective”, for *University of Johannesburg Annual Information and Knowledge Management Conference*. Reviewed on 9.10.2013.
9. “The Zen of Multidisciplinary Team Recommendation”, for *Wiley’s Journal of the American Society for Information Science and Technology*. Reviewed on 5.09.2013.
10. “Information Communication Technology and Productivity Growth”, for *Sage’s Economic Development Quarterly Journal* Reviewed on 29.01.2012.
11. “How ICT Penetration Influences Productivity Growth: Evidence from 17 OECD Countries”, for *Sage’s Economic Development Quarterly Journal* Reviewed on 27.05.2012.
12. “An application of extended TAM in understanding technology enabled financial service adoption in South Africa”, for *Routledge (Taylor & Francis Group) Development Southern Africa Journal* Reviewed on 13.08.2013 .
13. “Availability, Use and Challenges of Information Technologies Deployment by the Federal Airports Authority of Nigeria”, from *African Journal Library, Archives and Information* Reviewed on 29.11.2012
14. “Challenges Inhibiting the Deployment of Information and Communication technologies (ICTs) in Academic (tertiary institutions’) Libraries in Benue State, Nigeria”, from *African Journal Library, Archives and Information* Reviewed on 06.12.2012
15. “Business Process Reengineering: The impact of IT Capability on Bank Performance in Nigeria”, for *Emerald’s Business Process Management Journal* Reviewed on 20.05.2012.
16. “Open Access Institutional Repositories in Nigeria Academic Libraries: Advocacy and issues in Scholarly Communication”, for *Routledge (Taylor & Francis Group) Journal of Information Technology for Development* Reviewed on 15.11.2013.
17. “Diffusion of e-Government in Nigeria: a Qualitative Study of Culture and Gender”, for *Routledge (Taylor & Francis Group) Journal of Information Technology for Development* Reviewed on 11.11.2012.
18. "e-Participation in the EU: re-focusing on social media and young citizens for reinforcing European identity", for *Emerald’s Transforming Government: People, Process and Policy* Reviewed on 10.02.2013.

19. “Promoting Transparency and Strengthening Public Trust in Government through Information Communication Technologies: A Study of Ghana’s E-Governance Initiative”, for *International Journal of Public Administration in the Digital Age (IJPADA)*. Reviewed on 17.11.2012.
20. “Business Process Reengineering: The impact of IT Capability on Bank Performance in Nigeria”, for *Emerald’s Business Process Management Journal*. Reviewed on 20.05.2012.
21. “Readiness Assessment of Electronic Museum Resources Implementation in National Commission for and Monuments of Nigeria”, for *International Journal of Information Processing and Communication (IJIPC)* (Nigeria). Reviewed on 3.4.2012.
22. “Defining e-government: towards critical theories, models and frameworks for successful delivery of government services” for, *ARCIS Book of Readings in Inform Science and Technology*, Nigeria. Reviewed on 30.04.2012.
23. “E-Government and e-governance concepts and constructs in the context of service delivery”, for *African Journal of Business Management*. Reviewed on 12.12.2013.

Please Note: review of over 50 chapters in books and 29 journal articles too numerous to mention here.

4.3 Community Service

1. ICT skills community outreach programme for primary school teachers in Gaborone (starting with Lesedi Primary School) (2013 – 2016). Role: Facilitator and programme module designer.
2. Pro-bono expert on advising students going to compete for ICT at a world stage - Ministry of Transport and Communications - Botswana (2013). Role: Technical Expert on Database and Applications Development.
3. Facilitator at the SATUCC 2nd Regional Seminar on Information Management in Trade Unions: 13th to 14th December 2012, Oasis Motel, Gaborone.
4. Technical Expert or Team Leader in ICT programme accreditation in Botswana Tertiary Institutions – Tertiary Education Council (2009 – 2016). Role: Assisting the TEC review IT programmes in tertiary institutions in Botswana. From 2009, I have reviewed 19 programmes from ABM University College, Botho University, GIPS, Barton College, and Limkokwing.
5. Youth Dialogue Era (YDE) caucus group, Big Five Lodge, Gaborone (2011). Role: Introduced the meeting and was Key Resource Person
6. Resource person – SADC LMIS (2011). Role: Developed technical specifications and designed a prototype system to help the SADC Labour Desk accentuate its push towards establishing a SADC LMIS for managing robust and dynamic labour information from regional nodes.
7. Resource person – SATUCC (2009 – 2016). Role: Helped SATUCC develop the Information and Communications Policy of 2011 and has been helping SATUCC at workshops and seminars as Resource Person and/or Rapporteur.
8. International Expert – Ministry of Labour of United Republic of Tanzania and Zanzibar (December 2012). Role: helped develop conceptualization of a ministerial LMIS for both mainland Tanzania and Zanzibar.
9. Technical Advisor and Networking of computers at Mosala Funeral Parlour (a grassroots funeral parlour setup by community members in Peleng, Lobatse targeting poor members of the community) (2011-2012).
10. Promoting the use of ICTs for community-based poverty monitoring and tracking system at a community and/or household level in Lusaka (Team Leader for developing of a database component for poverty monitoring in Lusaka Province of Zambia: Sponsored by IDRC-Canada and PEP-NET Philippines) (February 2007 – August 2008).
11. Served as Secretary General of the Action Group, Youth Catholic Movement – Lusaka Archdiocese from 1998 to 2000.

12. Served as Editor for the Lusaka Archdiocesan newsletter ‘Aksio’ from 1998 to 2000.
13. I served as volunteer Resource Person for the course ‘Introduction to Knowledge Management’ at the Institute of Development Management (IDM) and tasked to mentor junior lecturer on how to deliver course content to professional students principally from the Botswana Government (2011 – 2016).

5 Other Information

5.1 Academic leadership

- 1) Chairing of college committees and sitting at the university committees
- 2) Helping the National Research Foundation in peer review for rating applications.
- 3) Helping the national education quality assurance committees in Botswana and Zambia in reviewing of IT and computer information systems programmes.
- 4) Mentorship of emerging researchers in scholarly publishing.
- 5) Co-authorship of journal articles and international conference proceedings with students
- 6) Joint application for research funding with colleagues.

5.2 Referees

1. Prof Stephen M. Mutula
Dean & Head of School
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4. Dr Owen Seda
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5. Prof Young Man Ro
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End