

CURRICULUM VITAE



Dr. Bernina Kyale Kisumbi BDS (Nbi), MPhil (UK), FICD , PhD Candidate

TABLE OF CONTENTS

1.0 PERSONAL INFORMATION	4
2.0 EDUCATIONAL BACKGROUND	4
3.0 AWARDS AND OUTSTANDING ACHIEVEMENTS	4
4.0 EMPLOYMENT	4
5.0 RESEARCH AND PUBLICATIONS [34]	5
5.1 Full paper publications in peer reviewed journals [28]	5
5.2 Master of philosophy Thesis [1].....	7
5.3 Abstracts published in peer reviewed journals [3]	7
5.4 Publications of chapters in e-books [4].....	7
5.6 Poster publication on global platform [1].....	8
5.7 Journal Editorial [2]	8
6.0 ABSTRACT PRESENTATIONS IN LOCAL AND INTERNATIONAL CONFERENCES [36]	8
7.0 RESEARCH IN PROGRESS [3]	11
8.0 TEACHING AND INSTRUCTION	11
8.1 Undergraduate teaching experience	11
8.2 Postgraduate teaching experience	12
8.3 Teaching in other Universities	12
9.0 STUDENT RESEARCH PROJECTS SUPERVISION	12
9.1 MASTER'S STUDENTS [7].....	12
9.2 EXAMINATION OF MASTERS' THESES [13].....	13
9.2 UNDERGRADUATE STUDENTS' RESEARCH PROJECTS AS EXTERNAL SUPERVISOR [24].....	14
10.0 PROFESSIONAL. CONSULTING AND INDUSTRY	16
11.0 HANDS ON COURSES ATTENDED [16]	16
12.0 LECTURE PRESENTATIONS ON INVITATION [23]	17
13.0 CONFERENCES, WORKSHOPS, SYMPOSIA AND PROFESSIONAL MEETINGS ATTENDED [53]	19

14.0 CONTINUOUS PRPFSSIONAL DEVELOPMENT TALKS ATTENDED [72]	22
15.0 SKILLS	26
16.0 PROFESSIONAL RESPONSIBILITIES AND AFFILIATIONS	27
17.0 ADMINISTRATION RESPONSIBILITIES.....	27
17.1 Current responsibilities	27
17.2 School Sub committees Chaired in the past	27
17.3 Previous responsibilities	28
18.0 COMMUNITY ENGAGEMENTS AND RESPONSIBILITIES	28
18.1 External examiner responsibilities in Universities [14].....	28
18.2 Community engagements and responsibilities.....	29
18.3 Previous responsibilities	29
18.4 Other responsibilities.....	29
19.0 HOBBIES.....	30
20.0 REFEREES	30

1.0 PERSONAL INFORMATION

ADDRESS: P.O BOX 2580, 00202 Nairobi
TELEPHONE ADDRESS: +254-02- 0722 487096
E MAIL: bkisumbi@uonbi.ac.ke, berninakisumbi@gmail.com
DATE OF BIRTH: April 16, 1964
MARITAL STATUS: Married with two children and two grand children
PROFESSIONAL STATUS: Biomaterials specialist/Dental surgeon.
Specialist Recognition (21st October, 2008)
CURRENT POSITION: Senior Lecturer
Department of Conservative & Prosthetic Dentistry, UoN
Head, Division of Biomaterials
PhD student in Dental Materials, University of Nairobi

2.0 EDUCATIONAL BACKGROUND

1998:	Master of Philosophy (MPhil)	University of Manchester, UK
1988:	Bachelor of Dental Surgery (BDS)	University of Nairobi
1982:	Kenya Advanced Certificate of Education (KACE)	Kaaga Girls High School
1980:	Kenya Certificate of Education (KCE)	Machakos Girls High School
1976:	Certificate of Primary Education (CPE)	Matiku Primary School

Certificate courses

2016: Multi system dental implant hands-on training programme – Indian Dental Academy
2011: Leadership Development Programme (Oct 2010m- Apr 2011) MSH, MOMS
1998: Personal & Professional Skills Module University of Manchester, UK

3.0 AWARDS AND OUTSTANDING ACHIEVEMENTS

2013: Fellow of International College of Dentists (FICD)
2004: Best Oral presentation – Restorative & Biomaterials Session in The 1st International Association for Dental research (**IADR**) Joint meeting of the East & Southern Africa and Kuwaiti Divisions; and Jordanian Section. 25th to 28th August, 2004. Hilton Hotel, Nairobi.
1996: Commonwealth Scholarship to pursue MPhil degree in the University of Manchester.
1982: **First Position** – Eastern Province Students Science Congress
1980: **Best student** in 1980 class: ‘O’ levels Machakos Girls’ High School

4.0 EMPLOYMENT

2001 to date: Senior Lecturer, Department of Conservative & Prosthetic Dentistry.
1998-2001: Lecturer, Department of Conservative & Prosthetic Dentistry.
1996-1997: Assistant Lecturer, Department of Conservative & Prosthetic Dentistry.
1993–1996: Tutorial Fellow, Department of Conservative & Prosthetic Dentistry.
1989-1993: Dental Officer I, Kenyatta National Hospital.

5.0 RESEARCH AND PUBLICATIONS [34]

5.1 Full paper publications in peer reviewed journals [28]

1. Marufu C, **Kisumbi B.K**, Osiro O.A, Otieno F.O Effect of Finishing Protocols and Staining Solutions on Colour Stability of Dental Resin Composites: *Clinical and Experimental Dental Research* 2022;8;2;561-570.
2. Benjamin Simiyu Nyogesa, Kaaria Mwirigi, Laura Gwahalla Edalia, **Bernina Kisumbi**, Tom Dienya. Posttreatment endodontic disease among patients seeking treatment at a referral hospital in Kenya. *Endodontology*.2020;32;1;8-13
3. Kaaria M, **Kisumbi B.K**, Nyaga J.M, Macigo. F.G. Residual Methyl Methacrylate Monomer Levels In Heat-Activated Acrylic Denture Base Resins Processed Using Improvised Techniques. *Journal of Kenya Dental Association* 2018;9:2; 642- 647.
4. Mogusu C.M.,**Kisumbi B.K**. and Gathece L.W. Knowledge,Attitude And Practice Of Computer Aided Design And Computer Aided Milling(cadcam) Dental Technology Among Dentists In Nairobi Journal of . *Journal of Kenya Dental Association* 2018;9:2; 633-636.
5. A.K Ombuna, S.W Maina, **B.K Kisumbi** and L. Gathece. Convergence angles of tooth preparations assessed on dies for full crown and bridge retainers. *Journal of Kenya Dental Association*. 2017;94; 6; 405-412.
6. **Kisumbi B.K**, Simila H.O, Osiro O.A, Omondi B.I Selection of dental impression materials and techniques by dentists in Kenya. *East Africa Medical Journal* 2017;94:12:1040-1051.
7. Dienya TM, **Kisumbi B.K**, Maina SW. Root and Root canal morphology of the Mandibular First molar in Humans: A Literature review. *Journal of Kenya Dental Association* 2016;7:2; 397 - 406.
8. Osiro O.A, **Kisumbi B.K**, Simila H.O: Selection of direct restorative and root filling materials Kenyan dentists in 2016. . *East Africa Medical Journal* 2016;93; 9:27-32.
9. Munene D.M, Mutave R.J and **Kisumbi B**. Knowledge selection and use of bonding agents by dentists in Nairobi. *Journal of Kenya Dental Association* 2015;6:2; 280 - 293.
10. Maina S.W, Nyaga J.M, **Kisumbi B.K**, Kassim A.B, Dienya T.M, Simila H.O. Is safe of dental amalgam still in question: Literature review. *African Journal of Oral Health Sciences* 2015: 2: 3-9.
11. Kassim BA, **Kisumbi BK**, Lesan WR, Gathece LW. Effect of light curing units' characteristics on light intensity output, depth of cure and surface micro-hardness of dental resin composite.

Submitted for publication with East Africa Medical Journal. *East Africa Medical Journal* 2013;90:181-189.

12. Kassim B. A, **Kisumbi B. K**, Lesan W. R, Gathece L. W. Effect of light intensity on the cure characteristics of photo-polymerised dental composites. *East Africa Medical Journal* 2012;89: 5:159-165.
13. **B.K Kisumbi**, E.A Alubale, H.O Simila, L.W Gathece, S.K Amisi. Indications of initial placement and replacement of amalgam and composite restorations *Afr. Journal of Oral Health Sciences* 2011;6:1:15-19.
14. Osiro A.O, Macigo F.G, **Kisumbi B.K**, Dienya T.M. Knowledge and perception of atraumatic restorative treatment among dentists in Nairobi. *Journal of Kenya Dental Association* 2011;2 (1): 145-150.
15. Amisi SK, Wilson VJ, **Kisumbi B.K**, Simila HO, Wamalwa PW. Pre extraction photographs in selection of artificial teeth. *Journal of Kenya Dental Association* 2010;1(4): 114-199.
16. Ganatra FA, **Kisumbi B.K**, Gathece LW. Selection of posterior dental restoratives by dentists. *Journal of Kenya Dental Association* 2009;1(3): 59-64.
17. Kyale DS, Mutave RJ, Gathece LW, **Kisumbi BK**. Source of oral health motivation, attitudes and practices in 12-13 year old adolescents in Nairobi. *African Journal of oral health Sciences* 2009: 5(4): 15-20.
18. Edalia GL, Mua BN, **Kisumbi BK**, Kemoli AM. Oral health knowledge attitude practices and caries experience among 10-12 year olds in children homes. *Journal of Kenya Dental Association* 2009;1(3): 84-89.
19. Kihara EN, Mutara L, Maina SW, **Kisumbi BK**. Pit and fissure sealants: Knowledge, attitudes and use by dentists in Nairobi. *Journal of Kenya Dental Association* 2009;1(3): 65-71.
20. **Kisumbi BK**, Wakiaga JM, Lesan WR, Kassim BA Dienya TJ, Chindia M L. Combined chemical micro-abrasion and bleaching technique in the management of enamel flourotic stains. *Journal of Kenya Dental Association* 2008;1(1): 24-28.
21. Wakiaga JM, **Kisumbi BK**, Lesan WR. Some optical properties of resin composite veneers materials. A pilot study. *Journal of Kenya Dental Association* 2008;1(1): 29-36.
22. Osamong LA, Gathece LW, **Kisumbi BK**, Mutave RJ. Management of dental waste by practitioners in Nairobi, Kenya. *African Journal of Oral Health* 2005: Article 2:1&2: 24-29
23. Watts DC, **Kisumbi BK**, Toworfe GK. Dimensional changes of resin/ionomer restoratives in aqueous and neutral media. *Dental Materials* 2000;16(2):89-96.
24. **Kisumbi BK**, Watts DC. Toothbrush abrasion rates of modified glass ionomer restoratives in-vitro. *African Journal of oral health Sciences* 2000;1(1): 1-5.
25. **Kisumbi BK**, Kaimenyi JT, Wakiaga JM. Knowledge on treatment modalities and attitude of Nairobi University students towards dental care. *Indian J Dent. Res.*1995: 6(4): 133-6.

26. JT Kaimenyi, SW Guthua, JM Wakiaga, **BK Kisumbi**. Utilization of Dental Auxiliaries in private dental surgeries in Kenya. *East African Medical Journal*. 1994;71(12) 811-815.
27. Wakiaga JM, Kaimenyi JT, **Kisumbi BK**. Reasons underlying failure to seek dental treatment among Nairobi University students. *East African Medical Journal* 1996;73(5)320-322.
28. Wakiaga JM, **Kisumbi BK**, Chindia ML. Discolouration of teeth: An overview of the Diagnosis and management. *East African Medical Journal*. 1995: 72:213-216.

5.2 *Master of philosophy Thesis [1]*

5.3 *Abstracts published in peer reviewed journals [3]*

1. **Bernina Kisumbi Kyale**, Loice W. Gathece, Lucina Nanyama Koyio, Jane Gachambi Wamai, Dental amalgam waste management by dentists in East Africa. *International Dental Journal* 2013: 63 (Suppl. 1) Abstract No. P684.
2. **Kisumbi BK**, Toworfe GK, Watts DC. Dimensional changes of Resin/ionomer restoratives in Aqueous and neutral media. *Journal of dental Research* 1998: 77: pg. 685. Abstract no. 426.
3. **Kisumbi BK**, Watts DC. Discolouration of restorative materials by beverages. *Journal of Dental Research* 1999: 78(5) pg. 1095. Abstract no. 41.

5.4 *Publications of chapters in e-books [4]*

1. **Kisumbi B.K**, Simila H.O, Osiro AO (2013) VDS 290: Part I Module II. Auxilliary Dental Materials. *E-learning module developed for the School of Dental Sciences in Collaboration with Centre for Open and Distance Learning, University of Nairobi*. Available: www.uonbi.ac.ke [TWELVE CHAPTERS]
2. Osiro OA, Simila HO, **Kisumbi BK** (2013) Direct Restorative Materials. *E-learning module developed for the School of Dental Sciences in Collaboration with Centre for Open and Distance Learning, University of Nairobi*. Available: www.uonbi.ac.ke [CO-AUTHOR]
3. Simila H.O, Osiro O.A, **Kisumbi BK** (2013) Basic Scientific Principles. *E-learning module developed for the School of Dental Sciences in Collaboration with Centre for Open and Distance Learning, University of Nairobi*. Available: www.uonbi.ac.ke [CO-AUTHOR]
4. Osiro OA, Simila HO, **Kisumbi BK** (2015) VDS 390: Part II Module IV. Indirect and restorative and prosthetic materials. *E-learning module developed for the School of Dental Sciences in Collaboration with Centre for Open and Distance Learning, University of Nairobi*. Available: www.uonbi.ac.ke [CO-AUTHOR].

5.6 *Poster publication on global platform [1]*

Dental amalgam waste management by dentists in East Africa, World dental Posters. No. 1335. 15.10.2015 <http://www.worlddentalposters.com/poster/1335-dental-amalgam-waste-management-by-dentists-in-east-africa>.

5.7 **Journal Editorial [2]**

1. 2020: “Dental Jewellery, intraoral and perioral tissue piercing” Journal of the Kenya Dental Association. 2020; 10:2:722-723
2. 2021: Infection prevention and control measures in dental health care today. ” Journal of the Kenya Dental Association. 2020: KDA Vol 11 No 4.

6.0 ABSTRACT PRESENTATIONS IN LOCAL AND INTERNATIONAL CONFERENCES [36]

1. 2021: Arunga E., Gathece L.W, **Kisumbi B.K.** Knowledge And Attitude On Computer-Aided Design And Computer-Aided Manufacturing Among Dental Students In The University Of Nairobi. Inn Paradise Beach Resort, Mombasa, 21st to 23rd October 2021
2. 2020: **Kisumbi B.K** and Angwenyi C.M effective dental assisting & dental radiography for dental assistants. Dental skills Centre workshop. 29.02.2020 Mash Park Hotel Nairobi
3. 2019: **Kisumbi B.K.** Status of the global dental amalgam phase down and implementation of the minamata convention on mercury in Kenya. At the 37th Kenya Dental Association annual congress and exhibition 17th to 19th October 2019. Lake Naivasha Resort, Naivasha.
4. 2019: Edalia L., Simiyu B, Kaaria M, **Kisumbi B.** Post treatment endodontic disease among patients seeking treatment at the referral dental hospital in Kenya. 37th KDA annual Scientific Conference and Exhibition. Lake Naivasha Resort, Naivasha 17th to 19th October 2019.
5. 2018: Mogusu C.M, **Kisumbi B.K,** Gathece L.W. Knowledge Attitudes and practice of Computer aided Design and Milling technology among dentists in Nairobi. 35th KDA annual Scientific Conference and Exhibition. Windsor Golf Hotel & Country Club. Nairobi. 1st to 3rd March 2018.
6. 2018: Mulli T.K, **Kisumbi B.K,** Ileri S.K, Mundia QA and Mukavale T. Kituku A,M Equitable, quality and ethical dental practice : A solution by dentists for dentists: Dentpro. 35th KDA annual Scientific Conference and Exhibition. Windsor Golf Hotel & Country Club. Nairobi. 1st to 3rd March 2018.
7. 2016: *Selection of dental impression materials and techniques by dentists in Kenya.* **Kisumbi B.K,** Simila H.O, Osiro O.A, Omondi B.I, 34th KDA annual Scientific Conference and Exhibition. Pride Inn Paradise Beach Resort Shanzu, Mombasa. 19th to 22nd October 2016

8. 2015: *Choice of impression materials and techniques by dentists.* **Kisumbi B.K**, Simila H.O, Osiro O.A, Omondi B.I, Nyaga J.M. Kenya Dental Association/East and Southern Africa Division of IADR joint Annual conference and exhibition. 19th to 21st November 2015. Boma Inn Hotel, Eldoret.
9. 2015: *Categories of direct restorative materials and their selection by dentists in Kenya.* Osiro O.A, **Kisumbi B.K**, Simila H.O. Kenya Dental Association/East and Southern Africa Division of IADR joint Annual conference and exhibition. 19th to 21st November 2015. Boma Inn Hotel, Eldoret.
10. 2014: Munene D.M, Mutave R.J, **Kisumbi B.K**. *Choice of tooth resin bonding agents is novel better?* 32nd Kenya Dental Association Annual conference and exhibition, Sarova Panafric Hotel, Nairobi 30th October to 1st November 2014.
11. 2014: Minai D.A, Macigo F.G, **Kisumbi B.K**: *Knowledge and attitude towards dental materials wastage by undergraduate students.* 32nd Kenya Dental Association Annual conference and exhibition, Sarova Panafric Hotel, Nairobi 30th October to 1st November 2014.
12. 2013: **Kisumbi B.K**. Gathece L.W, Koyio L.N, Wamai J.G. *Use and accessibility of restorative materials to Dentists in East Africa..* 31st Kenya Dental Association Annual Conference & Exhibition, 17th to 19th October 2013. Mombasa Continental Hotel, Mombasa Kenya.
13. 2013: **Bernina Kisumbi Kyale**, Loice W. Gathece, Lucina Nanyama Koyio, Jane Gachambi Wamai, *Dental amalgam waste management by dentists in East Africa.* 101th Congress of World Dental Federation 28th to 31st August 2013. Istanbul, Turkey.
14. 2012: **Kisumbi BK**, Maina SW, Simila H.O, Kassim B.A, Dienya T.J, Osiro A.O, Kinoti M and Gathece LW. *Dental amalgam: her true story and best management practice.* 30th Kenya Dental Association Conference & Exhibition, 11th to 13th October, 2012, Panafric Hotel Nairobi, Kenya.
15. 2012: Kassim B.A, **Kisumbi BK**, Maina SW, Lesan W.R and Gathece LW. *Effect of light curing unit's maintenance history on its efficiency.* 30th Kenya Dental Association Conference & Exhibition, 11th to 13th October, 2012, Panafric Hotel Nairobi, Kenya
16. 2011: Kassim BA, **Kisumbi BK**, Lesan WR, Gathece LW. *Effect of Light intensity on the cure characteristics of photo-polymerised dental composites.* International Scientific Conference, College of Health Sciences University of Nairobi 15th to 17th June 2011. Nairobi, Kenya
17. 2011: Malinda JM, Mutave RJ, **Kisumbi BK**. *Knowledge attitude and practice of Dental Flossing among dental and medical students of the University of Nairobi.* International Scientific Conference, College of Health Sciences University of Nairobi 15th to 17th June 2011. Nairobi, Kenya
18. 2010: Kassim BA, **Kisumbi BK**, Lesan WR, Gathece LW. *Efficiency of Light curing units in dental clinics.* KDA IADR Annual conference Crowne Plaza Hotel, Nairobi 21 to 23rd October 2010
19. 2010: Bagha AS, Gathece LW, **Kisumbi BK**. *Knowledge attitude and oral hygiene practices of patients attending a periodontal clinic.* KDA IADR Annual conference Crowne Plaza Hotel, Nairobi 21 to 23rd October 2010.

20. 2010: Osiro A.O, Macigo FG, **Kisumbi BK**, Dienya TM. *Knowledge perception and practice of atraumatic restorative treatment (ART) approach among dentists in Nairobi*. KDA IADR Annual conference Crowne Plaza Hotel, Nairobi 21 to 23rd October 2010
21. 2009: Kassim BA, **Kisumbi BK**, Lesan WR. *Efficiency of Light curing units: Effects of Age and Type*. 2nd International Association of Dental research (IADR) Africa and Middle East Regional Conference. September 22nd to 25th White sands, Mombasa, Kenya.
22. 2009: Choene HC, **Kisumbi BK**, *Knowledge, practice and choice of dentifrices by dental students*. 2nd International Association of Dental research (IADR) Africa and Middle East Regional Conference. September 22nd to 25th White sands, Mombasa, Kenya.
23. 2008: **Kisumbi B.K** Wakiaga JM, Maina S.W and Lesan WR. *Yellowness and blueness of some direct esthetic restoratives after exposure to beverages*. 26th KD Annual scientific Conference and 22nd International Association of Dental research (IADR) East & Southern Africa Division October 16th to 18th 2008, Hotel Intercontinental, Nairobi, Kenya
24. 2008: Mulu M, Gathece LW, **Kisumbi BK**. *Knowledge, attitude and dental cultural practices among the Kamba community* 26th KDA Annual scientific Conference and 22nd International Association of Dental research (IADR) East & Southern Africa Division October 16th to 18th 2008, Hotel Intercontinental, Nairobi, Kenya
25. 2007: Chepkwony FC, **Kisumbi BK**, Mutave RJ. *Oral health knowledge, attitudes and practices amongst primary school teachers in Nairobi, Kenya*. International Association for Dental research (**IADR**) 21st meeting of the East & Southern Africa Division; 18th to 20th October, 2007. Hotel Africana Kampala, Uganda.
26. 2007: Kyale DS, Mutave RJ, Gathece LW, **Kisumbi BK**. *Source of oral health motivation, attitudes and practices in 12-13 year old adolescents in Nairobi*. International Association for Dental research (**IADR**) 21st meeting of the East & Southern Africa Division; 18th to 20th October, 2007. Hotel Africana Kampala, Uganda.
27. 2004: **Kisumbi B.K** & Ileri SK. *Symptoms at presentation at a private dental clinic in Nairobi, Kenya*. The 1st International Association for Dental research (**IADR**) Joint meeting of the East & Southern Africa and Kuwaiti Divisions; and Jordanian Section. 25th to 28th August, 2004. Hilton Hotel, Nairobi, Kenya.
28. 2004: Paracha FMS, **Kisumbi BK** & Gathece LW. *Selection of posterior restoratives materials by dentists in Nairobi*. The 1st International Association for Dental research (**IADR**) Joint meeting of the East & Southern Africa and Kuwaiti Divisions; and Jordanian Section. 25th to 28th August, 2004. Hilton Hotel, Nairobi, Kenya.
29. 2002: **Kisumbi BK** & Wakiaga JM. *Role of bitewing in caries management in a dental school*. The 2nd Joint Congress of the South African and the East & Southern Africa Divisions of (IADR) 15th to 16th August 2002. Durban, South Africa
30. 2000: Wakiaga JM & **Kisumbi BK**. *In-vitro colour changes of resin composites in beverages*. 14th Scientific Conference of the (**IADR**), East & Southern Africa Division. August 30th to 2nd September, 2000. Harare, Zimbabwe.
31. 2000: Mungai TC, **Kisumbi BK**, Wakiaga JM & Ileri SK. *Patients compliance to dental appointments: Preliminary findings*. 14th Scientific Conference of the (**IADR**), East & Southern Africa Division. August 30th to 2nd September, 2000. Harare, Zimbabwe.

32. 2000: **Kisumbi BK** & Watts DC. *Setting shrinkage strain of resin ionomer restoratives in- vitro*. 14th Scientific Conference of the (**IADR**), East & Southern Africa Division. August 30th to 2nd September, 2000. Harare, Zimbabwe
33. 2000: Mutave RJ & **Kisumbi BK**. *Attitude of urban Kenyan population towards replacement of teeth: preliminary findings*. 14th Scientific Conference of the (**IADR**), East & Southern Africa Division. August 30th to 2nd September, 2000. Harare, Zimbabwe
34. 1999: **Kisumbi BK** & Watts DC. *Toothbrush abrasion rates of modified Glass ionomer restoratives in-vitro*. 13th Scientific Conference of the (**IADR**), East & Southern Africa Division. November 3rd to 5th, 1999. Kampala, Uganda.
35. 1998: **Kisumbi BK** & Watts DC. *Dimensional changes of Resin/ionomer restoratives in Aqueous and neutral media*. 76th General session & Exhibition of (**IADR**) 24th to 28th June. Nice, France
36. 1998: **Kisumbi B.K** & Watts D.C *Discolouration of restorative materials by beverages*. 12th Scientific Conference of the (**IADR**), East & Southern Africa Division. Hilton Hotel, Nairobi.

7.0 RESEARCH IN PROGRESS [3]

1. Development, implementation and evaluation of a dental amalgam phase down training programme among dentists in Kenya, PhD research 2022
2. Oral health related quality of life among removable complete denture wearers rehabilitated at the University of Nairobi School of Dental Sciences
3. “Risk factors and oral health related quality of life associated with partial tooth loss among dental patients visiting two university teaching hospitals in Nairobi

8.0 TEACHING AND INSTRUCTION

8.1 Undergraduate teaching experience

1993 to Date: Teaching Undergraduate students – Science of Dental materials course, **BDS II & III**

1993 to Date: Dental materials Review lectures in Conservative Dentistry Crown & Bridge **BDS III, IV**

1998 to Date: Internal Examiner Dental Biomaterials Science

1993 to Date: Clinical teaching in Conservative Dentistry crown & Bridge **BDS III & IV**

- 1999 to Date: External supervisor, undergraduate research project in community & Preventive Dentistry 3rd BDS.
- 2008 to 2014: Chief Examiner of four courses, BDS University Examinations in Science of Dental Materials, Prosthetic Dentistry, Dental Mechanics and Conservative Dentistry Crown and Bridge - 2008-2014.

8.2 Postgraduate teaching experience

- 2007 to Date: Teaching VPD 602: Biomaterials Science course to Master of Dental Science students (MDS) –in Prosthodontics.
- 2001 to Date: Teaching lectures Biomaterials lectures to MDS Paediatric Dentistry
- 2007 to 2014: Navigation of literature review seminars, journal discussions in (MDS) Prosthodontics and Paediatric dentistry biomaterials course. 2008-2014
- 2001 to Date: Teaching Biomaterials lectures to MDS Oral & Maxillofacial Surgery
- 2007 to Date: Internal examiner VDS 602: Biomaterials Science
- 2007 to 2014: Chief Examiner MDS Prosthodontics course University examination 2007- 2014.

8.3 Teaching in other Universities

- 2003:** **Visiting Lecturer in dental materials:** Muhimbili University College of Health Sciences, Dental School, Dar –es- salaam, Tanzania (March/April), 2003.
- 2002:** **Visiting Lecturer in dental materials:** Muhimbili University College of Health Sciences, Dental School, Dar –es- salaam, Tanzania (March/April), 2002.

9.0 STUDENT RESEARCH PROJECTS SUPERVISION

9.1 MASTER’S STUDENTS [7]

- 2007- 2010: *Dr B.A Kassim.* MDS Prosthodontics “Efficiency of Light cured units in use in Kenya” **Completed and published 2010.** LEAD SUPERVISOR
- 2014-2017: *Dr Kaaria Mwirigi.* MDS Prosthodontics “Quality of heat cured acrylic polymerized using different curing regimes”. **Completed 2017.** LEAD SUPERVISOR

2011. - 2014: *Dr Ombuna A.K* MDS Prosthodontics “Assessment of quality of tooth preparations for full crowns and bridges in selected dental laboratories”. **Completed 2018.** CO-SUPERVISOR
- 2016- 2019: *Dr C. Marufu.* MDS Prothodontics “Effect of polishing technique on colour stability of aesthetic dental restorative composite materials” – **Completed 2019.** LEAD SUPERVISOR
- 2018 -2020: *Dr Umaru Kizito* “Clinical performance of direct posterior resin-composite restorations placed over a 5-year period in selected institutions in Nairobi, Kenya” **Completed 2020** LEAD SUPERVISOR
- 2018 – 2020 *Dr Kituku A.M* “ Risk factors and oral health related quality of life associated with partial tooth loss among dental patients visiting two university teaching hospitals in Nairobi.”. **Proposal development** CO-SUPERVISOR
- 2020 – 2022 *Dr Lydia M Obiero* “oral health related quality of life among removable complete denture wearers rehabilitated at the University of Nairobi School of Dental Sciences” **Data Collection** LEAD SUPERVISOR

9.2 EXAMINATION OF MASTERS’ THESES [13]

- 2021:** MEDETOH SANDRINE TECLAIRE: Pattern of partial edentulism, design acceptability and level of patients’ satisfaction with provided arpd at Muhimbili University Dental Clinic, Dar es salaam, Tanzania. Muhimbili University of Health and Allied Sciences (MUHAS).
- 2021:** ROBERT KAMUGISHA FRANCIS: “Tooth loss, associated factors and prosthetic treatment need among patients receiving methadone maintenance therapy in Dar es salaam, Tanzania. MUHAS
- 2021:** MATASHA GRACE A: “Status of resin based composite restorations, reason for failure and associated factors in adult patients who attended tertiary level Dental clinics in Dar es salaam. MUHAS
- 2021:** LUCIANA ALBERT: “Dental caries experience and associated factors among adult people living with hiv/aids in Dar es salaam, Tanzania” MUHAS
- 2021:** JOYCE FITINA SCOPAS JUMA KAMONDE: “Prevalence, clinical features and factors associated with non-cariious cervical lesions among patients attending Muhimbili Dental clinics, Dar es-salaam,Tanzania” MUHAS
- 2020:** DR UMARU KIZITO “Clinical performance of direct posterior resin-composite restorations placed over a 5-year period in selected institutions in Nairobi, Kenya” University of Nairobi (UoN)

- 2020:** DR MARY GIKUNDA: Factors that influence the quality of final impressions for fixed dental prostheses in Nairobi, Kenya. UoN
- 2019: DR C. MARUFU. MDS Prothodontics “Effect of polishing technique on colour stability of aesthetic dental restorative composite materials” UoN
- 2017: DR KAARIA MWIRIGI MBURU V60/75834/2014. MDS Prosthodontics. “Quality of Heat-activated acrylic denture base resins cured using improvised techniques in Private Dental Laboratories, Nairobi, Kenya. UoN
- 2014: DR KATOTO ALEX MWATU REG. V60/72471/2008. “External and internal root morphology of second permanent molars of a Kenyan population”. UoN
- DR KESSEY FRANK SIFAEEL- MUHAS
DR MAKOYE NDALAHWA - MUHAS
- 2010:** DR B.A KASSIM. V60/ “Efficiency of Light cured units in use in Nairobi” UoN
- 2010:** DR JAMES NYAGA V60/70899/07 “External and internal root morphology of the first permanent molars in a Kenyan Population”.
- 2010:** DR MARGARET NDUNG’U. “Denture hygiene practices and candida-associated denture stomatitis among complete denture wearers in two clinics in Nairobi. UoN

9.2 UNDERGRADUATE STUDENTS’ RESEARCH PROJECTS AS EXTERNAL SUPERVISOR [24]

BDS III students for their Community Dentistry Projects - completed;

1. 2022: Knowledge awareness and attitude of amalgam toxicity among clinical dental students in the University of Nairobi.
2. 2020: *Ofula Niccolas Ogwayo*. Knowledge attitude and practices of dental assistants towards dental amalgam.
3. 2020: *Arunga Elton Elly*, Knowledge and attitude on CAD/CAM among dental students in the University of Nairobi.
4. 2018: *Harron Manal Mohd*. Dietary habits and their relationship with caries experience among students (age 14-18 years).
5. 2016: *Sharon Kendi Muhati*: Occurrence of dental erosion in patients with gastro-esophageal reflux disease attending Gastro-enterology outpatient clinic in Kenyatta National Hospital.
6. 2016: *Chrispal Mogusu Mbegera*: Knowledge attitude and practice of CAD/CAM technology among dentists in Nairobi. On-going
7. 2014: *Mwakisha Hope Mkaluma*: Knowledge perception and attitude of Dentists in Nairobi towards Amalgam Phase-down.

8. 2014: *Munene Dickens*: Knowledge Attitude and Practices on Dental Amalgam bonding agents among dentists in Nairobi.
9. 2013: *Minai Dolphine Adhiambo*: Knowledge and attitude towards dental materials wastage by undergraduate students of University of Nairobi of Conservation and Prosthetic clinics.
10. 2011: *Ndonga Lilian Muthoni*: Selection of direct posterior restoratives by dentists in Nairobi, Kenya.
11. 2011: *Kidula Frankline Lusega*: Knowledge attitude and use of resin cements among dentists in Nairobi – Recently completed.
12. 2010: *Mutio K. Joseph*: knowledge and attitude towards dental amalgam restorations among patients attending conservation clinic at the University of Nairobi Dental Hospital.
13. 2010: *Nyamai Jemmimah*: Knowledge, attitude and practice of dental flossing among dental and medical students of the University of Nairobi.
14. 2008: *Bagha Shaukat*: knowledge, attitude and oral hygiene practices of patients attending periodontal clinic at UoN Dental Hospital.
15. 2008: *Choene Chapua*: Practise and choice of dentifrices and tooth cleaning aids among dental and medical students at the University of Nairobi, Kenya.
16. 2007: *Edalia Laura Ghawalla*: Oral Health knowledge, attitudes, practices and carries experience among 10-12 year olds in two children homes in Nairobi
17. 2007: *Mulu Maryanne*; Knowledge attitude and cultural practices among Kamba community.
18. 2006: *Chepkwony Fridah*; Oral Health Knowledge, attitude and practices amongst primary school teachers in Nairobi.
19. 2006: *Alubale Elizabeth*: indications for initial and replacement of amalgam and composite restorations among patients at the University of Nairobi Dental Hospital.
20. 2005: *Osiro Olivia*: Knowledge, perception and practice of a traumatic restorative treatment among dentists in Nairobi.
21. 2003: *Osamong Lilian .A*: Knowledge attitude and practice of dentists in Nairobi towards management of dental waste.
22. 2002: *Irungu P. Muthoni*: The practice and knowledge of mercury toxicity in the use of silver- amalgam restoration materials by dentists in Nairobi.
23. 2002: *Paracha F.M Salim*: selection of direct posterior dental restorative materials by dentists in Nairobi.
24. 1999: *Nguyo Eunice*: Knowledge, attitude and use of pit and fissure sealants by dentists in Nairobi.

10.0 PROFESSIONAL. CONSULTING AND INDUSTRY

Consultancies

- 2013:** **Expert:** In the East Africa Dental Amalgam Phase Down Project: Kenya 2013.
- 2012:** **Lead Consultant:** Desk top study on Waste management practice AND TRADE FLOW OF AMALGAM AND ITS ALTERNATIVES IN Kenya, Tanzania and Uganda.
- 2009:** **Dental materials curriculum Consultancy:** Consultant in Curriculum workshop Moi University, School of Dentistry. Lake Bogoria Hotel, 13th to 16th December, 2009 Eldoret, Kenya.

11.0 HANDS ON COURSES ATTENDED [16]

1. 2019: Aesthetic dentistry, 37th KDA Conference 17th to 19th October 2019. Lake Naivasha Resort, Naivasha
2. 2019: Advancing patient care: Laser Dentistry, 37th KDA Conference 17th to 19th October 2019. Lake Naivasha Resort, Naivasha
3. 2017: *Hands on course on Bulk Posterior resin composites and improved glass ionomer cements.* 16th March 2017. Gertrudes Children Hospital, Nairobi by 3M.
4. 2016: *Multisystem dental implant hands-on training programme.* 9th to 21st May 2016, Indian Dental Academy, Hyderabad, India
5. 2014: *e-learning materials' writing workshop* 26th October to 31st October 2014. At KWSTI Naivasha, Kenya.
6. 2013: *e-learning materials' writing workshop* 27th August to 1st September 2013. At KWSTI Naivasha, Kenya.
7. 2012: *e-learning materials' writing workshop* 27th August to 1st September 2012. At KWSTI Naivasha, Kenya.
8. 2012: *Intel Skool health care education platform training,* 1st August 2012. College of Health Sciences, University of Nairobi
9. 2012: *e-learning materials' writing workshop* 10th to 16th June 2012. At KWSTI Naivasha, Kenya.
10. 2012: *e-learning materials' writing workshop* 26th to 30th March 2012. At Kenya School of Law Karen. Facilitated by School Distance learning, University of Nairobi.

11. 2010: *Self Adjusting Files (SAF) course* July 31st At School of Dental Sciences, University of Nairobi.
12. 2010: *Comprehensive Implantology course hands on using KOS System.* Conference/Symposium organized by the School of Dental Sciences University of Nairobi & the Kenya Dental Association. 4th to 6th March
13. 2007: *Direct Veneers* 25th KDA Annual Scientific Conference and Exhibition. 7th -9th October, 2007. Hotel Intercontinental, Nairobi, Kenya.
14. 2002: *Atraumatic Restorative Treatment.* The 2nd Joint Congress of the South African and the East & Southern Africa Division, Durban, South Africa 17th August 2002.
15. 2001: *Implantology and orthodontics in the millennium:* CME Faculty of Dental Sciences University of Nairobi. 21st to 23rd March 2001.
16. 1997: *Personal and professional skills.* Graduate School in Science, Engineering & Medicine. University of Manchester. 12th to 13th may 1997.

12.0 LECTURE PRESENTATIONS ON INVITATION [23]

1. 2020: **Effective dental assisting & dental radiography for dental assistants.** Continuous professional training for dental assistants by Dental skills Centre. Mash Park Hotel Nairobi, 29th February 2020.
2. 2019: **Overview of dental amalgam phase down.** Technical workshop on review of draft dental amalgam phase down guidelines and oral health policy, Gracia Gardens Hotel, Dennis Pritt road Nairobi from 6th to 7th November, 2019.
3. 2017: **Initiatives by Kenya Dental Association [KDA] on the minimata convention on mercury.** Stakeholder's dialogue forum on promotion of dental amalgam phase down and implementation of the Minimata Convention on Mercury in Kenya by CEJAD. Olives Hotel, Nairobi 23rd February, 2017
4. 2015: **East Africa Dental amalgam phase-Down project 1 – Kenya.** 2 at the EADAPD phase 2 Inception workshop United Nations Complex, Gigiri, Nairobi, Kenya. 23rd March, 2015.
5. 2015: **Dental amalgam project in Kenya – Case study.** UNEP-GEF Project on Minimata Initial Assessment in the Africa Project Regional Inception Workshop. United Nations Complex, Gigiri, Nairobi, Kenya. 24th to 26th February, 2015.
6. 2014: **What's new in restorative materials for Paediatric Dentistry?** Kenya Paediatric Dental Association, CPD talk at Silver Springs Hotel. 22nd October 2014.
7. 2013: **Current set up in dental clinics and local dental amalgam waste management systems in Kenya.** East Africa Dental amalgam phase-down. Results dissemination workshop. Muhimbili University of Health and allied 5th November 2013.

8. 2013: **Review of results, analysis, conclusion of the EADAP waste practice and trade survey and future recommendations.** East Africa Dental amalgam phase-down. Results dissemination workshop. Muhimbili University of Health and allied 5th November 2013.
9. 2013: **EADAP – Waste management practices and trade of restoratives validation Survey in Kenya.** East Africa Dental amalgam phase-down. Results dissemination workshop. Muhimbili University of Health and allied 5th November 2013.
10. 2013: **EADAP – Waste management practices and trade of restoratives validation Survey in Kenya.** East Africa Dental amalgam phase-down. Results dissemination workshop. Muhimbili University of Health and allied 5th November 2013.
11. 2013: **Dental amalgam waste management practice and alternative filling materials - Stakeholders workshop for the East Africa Dental Amalgam Phase-down Project.** 22nd October 2013. Kenya Institute of Education, Nairobi.
12. 2013: **Best waste Management Practice of Dental Amalgam and alternative materials Lecture and group work facilitation.** 1st November 2013. Africa Dental Amalgam Phase-down Project Oral health workers Training workshop at School of Dental Sciences, University of Nairobi.
13. 2013: **The global phase-down of Dental amalgam and Dentists role in Best Management Practice:** Continuous Professional Development KDA: Monday, 14th October 2013. School of Dentistry, Moi University.
14. 2013: **The global phase-down of Dental amalgam and Dentists role in Best Management Practice:** Continuous Professional Development KDA: Thursday, 25th April 2013. Panafric Hotel, Nairobi
15. 2012: **Best waste management of dental amalgam the Kenyan issue:** Inception Workshop of the East Africa (Kenya, Tanzania, Uganda) Dental Amalgam Phase-down Project, 18th December 2012 at KIE, Nairobi.
16. 2012: **Dental amalgam and its alternatives waste management practice and trade survey in Kenya, Uganda and Tanzania.** Inception Workshop of the East Africa (Kenya, Tanzania, Uganda) Dental Amalgam Phase-down Project, 18th December 2012 at KIE, Nairobi.
17. 2009: **Recent advances in use of restorative materials:** CPD talk at Gertrude’s Children Hospital, Nairobi. 22nd May, 2009.
18. 2009: **Teeth whitening: What Works When:** Friday, February 20, 2009 Harley’s, Westlands.
19. 2006: **Special Lecture “What’s new in Dental materials”** 24th Kenya Dental Association (KDA) Annual Scientific Conference and Exhibition. 26th to 28th October, 2006, Panafric Hotel, Nairobi.
20. 2004: **Special Lecture “Direct aesthetic Posterior restoratives”** The 1st International Association for Dental research (IADR) Joint meeting of the East & Southern Africa and Kuwaiti Divisions; and Jordanian Section. 25th to 28th August, 2004. Hilton Hotel, Nairobi, Kenya.

21. 2001: **Appropriate technology and strategies using appropriate materials and cost effective techniques.** National oral Health policy Workshop. June 2001. Mbagathi Nairobi, Kenya.
22. 2000: Lecture “**Hybrid ionomer restoratives**” East Africa Division of IADR dental symposium. Silver springs hotel, Nairobi, Kenya. 30th March 2000.
23. 2000: Special Lecture “**Microabrasion techniques in the management of dental fluorosis**” Kenya Dental Association, Scientific Seminar 17th November 2000.

13.0 CONFERENCES, WORKSHOPS, SYMPOSIA AND PROFESSIONAL MEETINGS ATTENDED [53]

1. **2019:** 37th Kenya Dental Association Annual Scientific Conference and Exhibition 17th to 19th October 2019. Lake Naivasha Resort, Naivasha
2. **2018:** 35th Kenya Dental Association Annual Scientific Conference and Exhibition 1st to 3rd March 2018. Windsor Golf Hotel and Country Club, Nairobi.
3. **2017:** Consultative workshop for ratification of the Minamata Convention on Mercury – Kenya School of Government, Embu. 6th to 9th November 2017.
4. **2017: CBCT/3D application training.** By Carestream Dental 29th April 2017 at Southern Sun Hotel Parklands, Nairobi.
5. **2017:** Paediatric restorative solutions; Bulk fill composites, stainless steel crowns and strip crowns by 3M, Gertrudes Children Hospital Nairobi 16th March, 2017.
6. **2017:** Stakeholder’s dialogue forum on promotion of dental amalgam phase down and implementation of the Minamata Convention on Mercury in Kenya by CEJAD. Olives Hotel, Nairobi 23rd February, 2017
7. **2015:** 33rd Kenya Dental Association/ 24th East and Southern Africa Division of IADR joint conference and exhibition. 19th to 21st November 2015. Boma Inn Hotel, Eldoret.
8. 2015: Regional Workshop in support for the ratification and effective implementation of the minimata convention on Mercury. United Nations Complex, Gigiri, Nairobi, Kenya. 24th to 25th March, 2015.
9. 2015: East Africa Dental Amalgam Phase-Down (EADAPD) project 2 Inception workshop
 - a. United Nations Complex, Gigiri, Nairobi, Kenya. 23rd March, 2015.

10. 2015: UNEP-GEF Project on Minimata Initial Assessment in the Africa Project Regional Inception Workshop. United Nations Complex, Gigiri, Nairobi, Kenya. 24th to 26th February, 2015.
11. 2015: Research and Grant proposal writing workshop. University of Nairobi & Services Limited, Chiromo. 2nd to 6th February 2015.
12. 2015: Division of Biomaterials Science practical manual and log book workshop review. Wednesday 21st January 2015. Urban Coffee Restaurant - Lenana Road, Nairobi
13. 2014: 32nd Kenya Dental Association Annual conference and exhibition, Sarova Panafric Hotel, Nairobi 30th October to 1st November 2014.
14. 2014: UON/3MESPE Workshop Direct and indirect veneers: A simplified chairside technique School of Dental sciences 23rd August 2014.
15. 2014: MDS Oral & Maxillofacial Radiology and Imaging Curriculum Development – Stakeholders workshop at School of Dental Sciences. 16th June 2014.
16. 2014: MDS Oral & Maxillofacial Radiology and Imaging Curriculum Development – Stakeholders workshop at School of Dental Sciences. 16th June 2014.
17. 2014: Kenyatta National Hospital/University of Nairobi One day oral health symposium, 4th July 2014 at Lecture Theatre I College of Health Sciences KNH Campus Nairobi.
18. 2014: Tutors Orientation Workshop for face to face and online tutoring 20th to 22nd May 2014 Chiromo Computer Lab, University of Nairobi.
19. 2014: Workshop on Accreditation of skills laboratories for College of Health Sciences 10th to 12th March University of Maryland, Yaya Centre, Nairobi.
20. 2014: Sensitization workshop on the revised Procurement and disposal Act (Youth and Women Empowerment). For UMB and senate members, Central Catering Unit (CCU) University of Nairobi Date: 20th January, 2014
21. 2013: East Africa Dental Amalgam Phase-down Project Results workshop. 5th to 7th November 2013. Muhimbili University of Health and Allied. Dar-es-Salaam, Tanzania.
22. 2013: 31st Kenya Dental Association Annual Conference & Exhibition, 17th to 19th October 2013. Mombasa Continental Hotel, Mombasa, Kenya.
23. 2013: 101th Congress of World Dental Federation (FDI) 28th to 31st August 2013. Istanbul, Turkey.
24. 2013: UNEP-WHO-IDM-FDI East Africa (Kenya, Tanzania, Uganda) Dental amalgam Phase-down capacity building workshop on dental amalgam best management practices, prevention and alternative materials. Kampala, Uganda, 6-7th March 2013.
25. 2013: Review of core curricula in Dentistry, by Medical Practitioners and Dentists Board, Silver Springs Hotel Nairobi. 19th February 2013.

26. 2012: 30th Kenya Dental Association Conference & Exhibition, 11th to 13th October, 2012, Panafric Hotel Nairobi, Kenya.
27. 2011: Curriculum development workshop sponsored by MSH. Outspan Hotel, Nyeri 20th to 23rd September 2011.
28. 2011: Medical education workshop, UoN. Chiromo 24th to 27th October 2013.
29. 2011: International Scientific Conference, College of Health Sciences University of Nairobi 15th to 17th June 2011. Nairobi, Kenya
30. 2010: KDA IADR Annual conference Crowne Plaza Hotel, Nairobi 21 to 23rd October 2010
31. 2010: Comprehensive Implant Course and hands on using the KOS implant system. University of Nairobi and KDA. School of Dental Sciences, 4th to 6th March 2010.
32. 2009: 2nd International Association of Dental research (IADR) Africa and Middle East Regional Conference, September 22nd to 25th Whitesands, Mombasa, Kenya.
33. 2008: 26th KDA Annual scientific Conference and 22nd International Association of Dental research (IADR) East & Southern Africa Division October 16th to 18th 2008, Hotel Intercontinental, and Nairobi Kenya
34. 2007: 25th KDA Annual Scientific Conference and Exhibition. 7th -9th October, 2007, Hotel Intercontinental in Nairobi Kenya.
35. 2007: International Association for Dental research (**IADR**) 21st meeting of the East & Southern Africa Division; 18th to 20th October, 2007, Hotel Africana Kampala, Uganda.
36. 2006: 24th Kenya Dental Association Annual Scientific Conference and Exhibition, 26th to 28th October, 2006, Panafric Hotel, Nairobi, *Theme – Enhanced Oral Health Care delivery Through Continuous Education.*
37. 2004: The 1st International Association for Dental research (**IADR**) Joint meeting of the East & Southern Africa and Kuwaiti Divisions; and Jordanian Section, 25th to 28th August, 2004, Hilton Hotel, Nairobi, Kenya.
38. 2003: The 17th congress of the East and southern Africa Division of (**IADR**) in Conjunction with 18th Annual general meeting of the Tanzanian Dental association. 27th to 31st 2003, Arusha International Centre, Tanzania.
39. 2003: FDI World Dental Federation/Kenya Dental Association Continuing Education Programme. 13th to 14th December, 2003, Safari Park Hotel, Nairobi, Kenya.
40. 2002: Operation Smile workshop “The orthodontic management of cleft palate patients”- University of Nairobi & University of Maryland, January, 24th to 25th 2002. Nairobi, Kenya.
41. 2002: The 2nd Joint Congress of the South African and the East & Southern Africa Divisions of (IADR) 15th to 16th August 2002. Durban, South Africa.
42. 2002: The (**KDA**) Annual Scientific Conference and exhibition. 1st to 2nd November 2002, Nairobi Safari Club, Kenya.

43. 2002: WIPO/KIPO Seminar on intellectual property rights in Universities, 3rd to 6th September, 2002. Moi University, and Eldoret, Kenya.
44. 2001: Facilitated the ART-MASTERCLASS-COURSE (Atraumatic Restorative Treatment) by WHO/ ACTA & KMTTC. February, 22nd 2001.
45. 2001: The (**KDA**) Annual Scientific Conference, November 8th to 10th 2001. Nairobi, Kenya. Theme “Improving Patient management through Continuing Dental Education.”
46. 2001: USHEPIA Workshop, Kampala, Uganda 11th to 13th June 2001.
47. 2000: 14th Scientific Conference of the (**IADR**), East & Southern Africa Division. August 30th to 2nd September, 2000. Harare, Zimbabwe.
48. 1999: 13th Scientific Conference of the (**IADR**), East & Southern Africa Division. November 3rd to 5th 1999 Kampala, Uganda.
49. 1998: 12th Scientific Conference of the (**IADR**), East & Southern Africa Division, October 28th to 30th 1998, Hilton Hotel, Nairobi Kenya.
50. 1998: 76th General session & Exhibition of (**IADR**) 24th to 28th June. Nice, France
51. 1991: Operation smile seminar 9th to 12th September 1991, Kenyatta National Hospital.
52. 1991: Doctor’s Aids Counseling Workshop, November, 2nd to 6th 1991. Kenya Red Cross Community Centre, Nairobi.
53. 1988: KDA International Scientific Seminar, October, 27th to 29th 1988. Kenya Medical Research Institute, Nairobi Kenya.

14.0 CONTINUOUS PRPFSSIONAL DEVELOPMENT TALKS ATTENDED [72]

1. 2020: **Nitrous Oxide-Oxygen Inhalation Sedation in Dental Practice.** Webinar KAPD.02.10.2020
2. 2020: **Light curing our restorative materials: clinical incidences.** Webinar by Kenya Dental Association. 01.09.2020
3. 2020: **Local chemotherapeutics in oral care and periodontal therapy- is there anything new.** Webinar by Kenya Dental Association. 18.07.2020
4. 2020: **Paediatric full mouth rehabilitation. Treatment planning.** Webinar by Kenya Association. of Paediatric Dentists 03.07.2020
5. 2020: **Perfect posterior proximal restorations;** Webinar by Kenya Dental Association. 08.05.2020

6. 2020: **How to increase success in endodontics.** Webinar by Kenya Dental Association.03.06.2020
7. 2020: **Occlusion in Prosthodontics,** Webinar ITI 20.06.2020
8. 2020: **Biomimetic dentistry: Amalgam replacement materials, hermetic restorations no secondary caries.** Webinar by Kenya Dental Association.27.06.2020
9. 2019: **Pain Management and Anesthetics Combination: Efficiency in Administering Regional Anesthesia and Post- Operative Pain Management.** Dentpro 22.08.2019 at Ngong Hills Hote.
10. 2018: **Current concepts in interceptive orthodontics in Children.** Kenya Association of Paediatric Dentistry, 22nd February 2018. The Nairobi Hospital Convention Centre, Nairobi.
11. 2018: **Implant Materials & Osseo integration.** Dental Tune Centre 12th February 2018. Nairobi
12. 2018: **Implant Clinical Protocols.** Dental Tune Centre 7th February 2018. Nairobi
13. 2018: **Dental Implant ology-Anatomical considerations.** Dental Tune Centre 20th January 2018. Nairobi
14. 2018: **Dental Implants- fundamental science.** Dental Tune Centre 16th January 2018. Nairobi
15. 2017: **Pain management in dentistry.** CPD talk by Kenya Dental Association 23rd March, 2017 at Panafric Hotel, Nairobi.
16. 2017: **Temporomandibular joint disorders pathology evolution of treatment modalities and the current consensus.** CPD talk by Kenya Dental Association 9th March, 2017 at Panafric Hotel, Nairobi.
17. 2016: **“Endontontics complete”** CPD talk by Kenya Dental Association 9th November, 2016 at Harley's Auditorium, Nairobi.
18. 2016: **“Use of highly viscous glass ionomer cements for posterior restorations”** on 24th October, 2016 at the School of Dental Sciences.
19. 2016: **Occlusion towards reliable conclusion.** CPD talk by Tanzania Dental Association 9th September 2016 at Elite Dental Clinic, Dar-es-Salaam, Tanzania.
20. 2016: **Life threatening odontogenic infections.** CPD talk by Kenya Dental Association 25th August, 2016 at Panafric Hotel, Nairobi.
21. 2015: Launch of National Oral health survey report. Serena Hotel 13th November 2015.
22. 2015: **Use of Clear Aligner technology in orthodontics.** CPD talk by Kenya Association of Pediatric Dentistry (KAPD) on Thursday, 30th July, 2015.Silver Springs Hotel, Nairobi.
23. 2015: **Selection of tooth coloured restorative materials: Knowledge of the composite-GIC continuum.** CPD talk by Kenya Dental Association 20th July, 2015 at Panafric Hotel, Nairobi.
24. 2015: **Governance in Dental Practice.** CPD talk by Kenya Dental Association 7th July, 2015 at Panafric Hotel, Nairobi.

25. 2015: **Role of dentists in advancing nutrition.** CPD talk by Kenya Dental Association 4th June 6pm, 2015 at Panafric Hotel, Nairobi
26. 2015: **Back pain management and prevention.** CPD talk by Kenya Dental Association 4th June 7pm, 2015 at Panafric Hotel, Nairobi.
27. 2014: **Teeth or Implants.** CPD talk by Kenya Dental Association 24th July, 2014 at Panafric Hotel, Nairobi.
28. 2014: **Periodontal Considerations in Treatment planning and Dentine hypersensitivity** Launch of new tooth paste. Hotel Intercontinental 11th July 2014.
29. 2014: **“MDI Implant workshop”** School of Dental Sciences. 9th May 2014.
30. 2014: **"Dentistry in Children"** . CPD talk by Kenya Dental Association 21st March, 2014 at Panafric Hotel, Nairobi.
31. 2013: **Children’s oral Health.** CPD talk by Kenya Dental Association 23rd July, 2013 at Panafric Hotel, Nairobi.
32. 2013: **Dedicated Practice management platform for dental and related health care automation.** CPD talk by Kenya Dental Association 1st August, 2013 at Panafric Hotel, Nairobi.
33. 2013: **Management of gingival enlargement in Hypertensive patients.** By School of Dental Sciences and Glaxo Smithkline Ltd. At Unimars Lecture Theatre – 31st July, 2013.
34. 2013: **The global phase-down of Dental amalgam and Dentists role in Best Management Practice:** CPD talk by Kenya Dental Association 25th April, 2013 at Panafric Hotel, Nairobi.
35. 2012: **Digital Dental Radiography: Demonstrating the use of the Dr Suni.** By Dept. of Conservative & Prosthetic Dentistry and Pharmaken Ltd. At Unimars Lecture Theatre - Thursday, 31st May, 2012
36. 2012: **Oral Odour management.** By School of Dental Sciences and Wrigley’s Ltd. At Unimars Lecture Theatre - Wednesday, 16st May, 2012
37. 2012: **Update on dentine Hypersensitivity.** By School of Dental Sciences and GlaxoSmithKline Ltd. At Unimars Lecture Theatre – Wednesday 2nd May, 2012
38. 2012: **Oral and maxillofacial bacterial infections.** By School of Dental Sciences and GlaxoSmithKline. At Unimars Lecture Theatre – Wednesday, 21st March 2012
39. 2012: **Management of a patient with severe fluorosis, tooth loss and restorative space.** Unimars hall SDS 1st March 2012.
40. 2012: **Castable glass ceramic properties and challenges in production of aesthetic restoration and how to overcome them.** CPD School of Dental Sciences, 26th April 2012 at SDS Unimars Lecture
41. 2012: **Serotomia in Prosthodontics,** CPD School of Dental Sciences, 17th April 2012 at SDS Unimars Lecture.

42. 2012: **Pathophysiology of Pain and its management.** By School of Dental Sciences and Phillips Pharmaceuticals. At Silver Springs Hotel – Wednesday, 11th April 2012.
43. 2011: **Lasers supported dentistry.** CPD School of Dental Sciences, 7th July 2011 at SDS Unimars Lecture.
44. 2011: **New Preventive, Restorative & Impression Dental Materials.** By School of Dental Sciences and Sultan Healthcare. 2nd June 2011 at SDS Unimars Lecture,
45. 2011: **Leadership management workshop IV:** by Management Sciences for Health (MSH) at Jacaranda Hotel, Westlands Nairobi 7th to 9th June 2011.
46. 2011: **Multidisciplinary management of a 24 year old female with amyogenesis imperfect** 25th May 2012 at School of Dental Sciences, Unimars Lecture.
47. 2011: **Leadership development program workshop III.** By Management Sciences for Health (MSH) held at the Elementaita Lodge – Naivasha from 9th – 11th February, 2011.
48. 2011: **The tricks of Prevention & Management”** by KDA at SDS Unimars Lecture Theatre on 24th February 2011.
49. 2011: **Overview on Current Trends in Endodontics”** held on 23rd February, 2011 at SDS Lecture Theatre II.
50. 2011: **Leadership and management on curriculum development workshop I** at the Elementaita Lodge – Naivasha from 16th – 18th March, 2011.
51. 2010: **Leadership management workshop II:** by Management Sciences for Health (MSH) at Great Rift valley Lodge and Golf Resort Naivasha 6th to 8th October 2010
52. 2010: **Self adjusting file (SAF) CPD lectures** on 30th at School of Dental Sciences, University of Nairobi, Kenya,
53. 2010: **The medical emergencies in dentistry:** Talk at Gertrude’s Children Hospital, Nairobi. 7th June, 2010.
54. 2010: **Pulpotomy:** CPD talk by Kenya Dental Association on 8th April at Harley’s, Westlands.
55. 2010: **Non-surgical and surgical endodontics retreatment:** CPD talk by Kenya Dental Association 25th February at Milimani Hotel, Nairobi.
56. 2010: **Maintenance of dental equipment and instruments:** CPD talk by Kenya Dental Association 15th March, 2010 at Milimani Hotel, Nairobi.
57. 2009: **Cleft Lip and palate:** Talk at Gertrude’s Children Hospital, Nairobi. 10th December, 2009.
58. 2009: **An overview of endodontics:** CPD talk by Kenya Dental Association 11th September, 2009.
 - a. Panafric Hotel, Nairobi.

59. 2009: **Direct Composites and adhesive systems, Indirect Porcelain restorations.** UNIMARS Lecture Theatre, School of Dental Sciences, University of Nairobi. 21st August 2009.
60. 2009: **Communicating the art of esthetic Dentistry:** UNIMARS Lecture Theatre, School of Dental Sciences, university of Nairobi. 26th June 2009.
61. 2009: **Surgical and restorative Implantology- an overview.** UNIMARS Lecture Theatre, School of Dental Sciences, University of Nairobi. 29th June 2009
62. 2009: **Eliminating cariogenic biofilm on the occlusal surfaces of teeth.** UNIMARS Lecture Theatre, School of Dental Sciences, University of Nairobi. 9th June 2009.
63. 2009: **Business management.** CPD talk by Kenya Dental Association. 24th May, 2009. Panafric Hotel, Nairobi.
64. 2009: **Skills Development** Retreat: By University of Nairobi. 13th to 15th May 2009. Great Rift Valley Lodge and Golf Resort, Naivasha,
65. 2009: **Entrepreneurship.** 29th May, 2009. Panafric Hotel, Nairobi.
66. 2009: **Use and misuse of antibiotics by oral care providers.** 24th April, 2009. Panafric Hotel, Nairobi.
67. 2009: **Life is too short for an average smile:** CPD talk by Kenya Dental Association 20th March at Harley's, Westlands.
68. 2009: **HIV AIDS education talk.** UNIMARS Lecture Theatre, School of Dental Sciences, University of Nairobi. 25th June 2009.
69. 2009: **Tooth whitening: What works when?** CPD talk by Kenya Dental Association 20th February, 2009. Harley's, Westlands, Nairobi.
70. 2008: **Non-surgical pocket procedures.** 25th April 2008. Panafric Hotel, Nairobi.
71. 2008: **Impression techniques.** 24th July, 2008. Aga Khan Hospital, Nairobi.
72. 2007: **Office record keeping.** 25th May, 2007 Panafric Hotel, Nairobi.

15.0 SKILLS

- Intel Skool Health Care education platform
- E-learning module development skills
- Leadership and management
- Enhanced research skills and enlarged scope in knowledge of principles underlying the in-vitro and in-vivo behaviour of biomaterials.
- Experience in using Precision equipment in properties and quality measurement, of physical and chemical parameters of Biomaterials.
- Acquired computer skills in data handling and statistical analysis.

16.0 PROFESSIONAL RESPONSIBILITIES AND AFFILIATIONS

- Bronze alumni member of the University of Nairobi.
- Fellow of the International College of Dentists
- Editorial Board member of the Journal of the Kenya Dental Association
- Member of the Kenya Dental Association (KDA)
- Member of the International Association for Dental Research (IADR)
- Current retention in the Medical Practitioners and Dentists Board.
- University of Nairobi representative – Kenya Bureau of Standards ISO committee and Technical committee in Dentistry 2002 to date
- KDA Council member 2000.
- Acting Chairman, Department of Conservative & prosthetic Dentistry April & May 2003, short durations in 2006, 2007, 3rd to 7th march 2008.
- Country Councilor (Kenya) International Association for dental Research (IADR) S & E African Division 1999.
- Editorial Board member- African Journal of Oral Health Sciences 2000- 2004.
- Member of the Dental materials group – South African Chapter 2003-2004
- Chairman, Division of Dentistry 2002

17.0 ADMINISTRATION RESPONSIBILITIES

17.1 Current responsibilities

- Member of Division of Biomaterials Science, Department of Conservative & Prosthetic Dentistry.
- Chairman, School Quality of academic assurance
- Chairman, School Dental Amalgam Phase down committee
- Chairman, Department Research committee
- Chairman, Department Dental Student Kit
- Member of School of Dental Sciences Board
- Member of School of Dental Sciences Examiners Board
- Member, School Postgraduate Committee
- Academic counseling and mentoring 3rd and 4th year BDS students.
- Part-time private practice.

17.2 School Sub committees Chaired in the past

- MDS Prosthodontics Curriculum review – 2008-2014
- Chairman, School Diploma in Dental Assisting curriculum development - CLOSED
- Department Team building committee - past
- School Dental Student kit - past

- School Mentorship, School of Dental Sciences – past
- School ICT Champion – past
- Department Log books development committee - Past

17.3 Previous responsibilities

- Chairman, Department of Conservative & Prosthetic Dentistry, SDS 2008 - 2014
- Member, Continuous Professional Development Committee, School of Dental Sciences.
- Senator, University of Nairobi- 2008 - 2014
- Leader and manager of teaching, research and human resource of the Department - 2008 - 2014
- Member of College of Health Sciences Academic Board - 2008 - 2014
- Member of School Management Board - 2008 – 2014
- Secretary, SDS Project; Improvement of Manual patient information system – current

18.0 COMMUNITY ENGAGEMENTS AND RESPONSIBILITIES

18.1 External examiner responsibilities in Universities [14]

- 2021:** External examiner in Dental materials, School of Dentistry, Moi University 6th to 8th Decembe 2021.
- 2021:** External examiner Dental materials and Restorative Dentistry, Muhimbili University of Health and Allied Sciences (MUHAS) July-August 2021
- 2020:** External examiner Dental materials and Restorative Dentistry, Muhimbili University of Health and Allied Sciences (MUHAS) 2020
- 2016:** External examiner Dental materials and Restorative Dentistry, Muhimbili University of Health and Allied Sciences (MUHAS) 4th to 10th September 2016.
- 2016:** External examiner Dental materials and Restorative Dentistry, Muhimbili University of Health and Allied Sciences (MUHAS) 28th March to April 4th April 2016.
- 2015:** External examiner Dental materials and Restorative Dentistry, Muhimbili University of Health and Allied Sciences (MUHAS) 9th to 14th August 2015.
- 2015:** External examiner Dental materials and Restorative Dentistry, Muhimbili University of Health and Allied Sciences (MUHAS) 8th to 12th March 2015.
- 2014:** External examiner in Dental materials, School of Dentistry, Moi University 6th to 8th October 2014.

- 2014:** External examiner **Dental materials and Restorative Dentistry**, Muhimbili University of Health and Allied Sciences (MUHAS) 28th to 1st July 2014.
- 2014:** External examiner **Dental materials and Restorative Dentistry**, Muhimbili University of Health and Allied Sciences (MUHAS) 24th to 28th February 2014.
- 2013:** External examiner in **Dental materials**, School of Dentistry, Moi University 14th to 15th October 2013.
- 2012:** External examiner in **Dental materials**, School of Dentistry, Moi University 16th to 18th October 2012.
- 2011:** External examiner in **Dental materials**, School of Dentistry, Moi University 27th to 29th October 2011.
- 2010:** External examiner in **Dental materials**, School of Dentistry, Moi University 24th to 26th October 2010.

18.2 Community engagements and responsibilities

- Board member, Wote Technical Training Institute - Past
- Board members & Secretary, Kyeni International Organization
- Member Lion's club of Kenya - Past
- Public speaker Kangemi AIC DCC Women's Conference
- Leader and participant dental camp Uthiru AIC church
- Leader and participant medical and dental camp AIC Ngong Road church
- Participation in Dental Camp, Baraka Children's Home Mathare North, Nairobi County 2017

18.3 Previous responsibilities

- Dental officer in-charge of Oral & maxillofacial Surgery outpatient clinic at Kenyatta National hospital 1992-1993.
- Supervision of Interns at Kenyatta National Hospital 1990 to 1992
- Part-time demonstrator in Conservative Dentistry at Dental school University of Nairobi 1992 – 1993.
- Successful completion of Internship rotation in 1 year 1988/89
- Untrained teacher Makueni Boys High school 1983

18.4 Other responsibilities

- Vice Chairperson, AIC Ngong Road Choir 2018 current.
- Chairperson, AIC Ngong Road Choir 2016 – 2018.
- Chairlady, Sonshine Fellowship Group - 2017
- Chairlady, Social Welfare Committee AIC Ngong Road Choir – 2014 to 2016

- Host, Langata Nairobi West Cell group of AIC Ngong Road Current
- Secretary, Gold Couples Fellowship, AIC Ngong Road- up to 2016
- Chairperson and Host, Langata Nairobi West Cell group of AIC Ngong Road up to Feb 2012.
- Secretary, Sonshine Fellowship group – 2014 – 2015.
- Chairlady, Esther Group Africa Inland Church (AIC) Ngong Road up to September 2015.
- Secretary and member, Women Local Church Council, AIC Ngong Road 2007 -2013
- Co-Director and founder Mothersmile Dental Care (MDC) - current
- Secretary, Choir, AIC Ngong Road 2002 to 2010
- Secretary, Sonshine Fellowship Group 2007
- Treasurer, Sonshine Fellowship Group 2008 to 2011.
- Chairlady, Sonshine Fellowship Group – Past

19.0 HOBBIES

- Singing – AIC Ngong Road Choir Member
- Cooking
- Jogging

20.0 REFEREES

Professor M.L Chindia

Department of Oral & Maxillofacial Surgery
 School of Dental Sciences
 P.O BOX 19676, 00202
 Nairobi, Kenya
 Cell: 0722605657
 E mail: omfsuon@wananchi.com

Professor W.R Lesan

P.O BOX 20710 020200
 Nairobi, Kenya
 Cell: 0722854224
 E mail: profwrlesan@gmail.com

Prof. Loice Gathece

Department of periodontology Community and preventive Dentistry
 P.O BOX 17696 00202, Nairobi Kenya
 Cell. 0722 755590
 E mail: gathece@uonbi.ac.ke



Sign.....

Date: June, 5th 2022

Dr Bernina Kyale Kisumbi