

# CURRICULUM VITAE



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

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E MAIL: [bkisumbi@uonbi.ac.ke](mailto:bkisumbi@uonbi.ac.ke), bkisumbi@yahoo.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 (21<sup>st</sup> October, 2008)*  
CURRENT POSITION: Senior Lecturer  
Department of Conservative & Prosthetic Dentistry, UoN  
Head, Division of Biomaterials

### Educational Background

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

### Awards and Outstanding achievements

2013: Fellow of International College of Dentists (FICD)  
2004: Best Oral presentation – Restorative & Biomaterials Session in The 1<sup>st</sup> International Association for Dental research (**IADR**) Joint meeting of the East & Southern Africa and Kuwaiti Divisions; and Jordanian Section. 25<sup>th</sup> to 28<sup>th</sup> August, 2004. Hilton Hotel, Nairobi, Kenya  
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

## **Employment**

- 2001 to date: Senior Lecturer, Department of Conservative & Prosthetic Dentistry.  
1998-2001: Lecturer, Department of Conservative & Prosthetic Dentistry.  
1996-1988: Assistant Lecturer, Department of Conservative & Prosthetic Dentistry.  
1993–1996: Tutorial Fellow, Department of Conservative & Prosthetic Dentistry.  
1989-1993: Dental Officer I, Kenyatta National Hospital.  
1988-1989: Dental Officer II, Ministry of Health.

## **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 2015: 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 3<sup>rd</sup> **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.**

## **Postgraduate teaching experience**

- 2007 to Date: Teaching 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.  
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.**

## **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.

#### **External examiner responsibilities in Universities**

**2015:** **External examiner Dental materials and Restorative Dentistry,** Muhimbili University of Health and Allied Sciences (MUHAS) 28<sup>th</sup> March to April 4<sup>th</sup> April 2016.

**2015:** **External examiner Dental materials and Restorative Dentistry,** Muhimbili University of Health and Allied Sciences (MUHAS) 9<sup>th</sup> to 14<sup>th</sup> August 2015.

**2015:** **External examiner Dental materials and Restorative Dentistry,** Muhimbili University of Health and Allied Sciences (MUHAS) 8<sup>th</sup> to 12<sup>th</sup> March 2015.

**2014:** **External examiner in Dental materials,** School of Dentistry, Moi University 6<sup>th</sup> to 8<sup>th</sup> October 2014.

**2014:** **External examiner Dental materials and Restorative Dentistry,** Muhimbili University of Health and Allied Sciences (MUHAS) 28<sup>th</sup> to 1<sup>st</sup> July 2014.

**2014:** **External examiner Dental materials and Restorative Dentistry,** Muhimbili University of Health and Allied Sciences (MUHAS) 24<sup>th</sup> to 28<sup>th</sup> February 2014.

**2013:** **External examiner in Dental materials,** School of Dentistry, Moi University 14<sup>th</sup> to 15<sup>th</sup> October 2013.

**2012:** **External examiner in Dental materials,** School of Dentistry, Moi University 16<sup>th</sup> to 18<sup>th</sup> October 2012.

**2011:** **External examiner in Dental materials,** School of Dentistry, Moi University 27<sup>th</sup> to 29<sup>th</sup> October 2011.

**2010:** **External examiner in Dental materials,** School of Dentistry, Moi University 24<sup>th</sup> to 26<sup>th</sup> October 2010.

#### **Current responsibilities**

- Head of Division of Biomaterials Science, Department of Conservative & Prosthetic Dentistry.
- Chairman, School Quality of academic assurance
- Chairman, School Diploma in Dental Assisting curriculum development
- Chairman, Department Research committee
- Chairman, Department Team building committee
- Member of School of Dental Sciences Board
- Member of School of Dental Sciences Examiners Board
- Member, School Postgraduate Committee
- Academic counseling and mentoring 3<sup>rd</sup> and 4<sup>th</sup> year BDS students.
- Part-time private practice.

- Secretary, SDS Project; Improvement of Manual patient information system – current

### **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

### **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, 13<sup>th</sup> to 16<sup>th</sup> December, 2009 Eldoret, Kenya.

### **School Sub committees Chaired current and past**

- MDS Prosthodontics Curriculum review - Current
- School Quality of academic assurance – current
- School Diploma in Dental Assisting curriculum development – Current
- Department Research committee - current
- Department Team building committee - current
- School Dental Student kit - past
- School Mentorship, School of Dental Sciences – past
- School ICT Champion – past
- Department Log books development committee - Past

### **Master's student research projects supervision**

2007- 2010:     Dr B.A Kassim MDS Prosthodontics “Efficiency of Light cured units in use in Kenya” Completed and published.

2011- 2014:     Dr Ombuna A.K MDS Prosthodontics “Assessment of quality of tooth preparations for full crowns and bridges in selected dental laboratories”. Student in final year

- 2014-2016: Dr Kaaria Mwirigi. MDS Prosthodontics “Quality of heat cured acrylic polymerized using different curing regimes”. Student in 2<sup>nd</sup> year
- 2014-2015: Irene W. Gichora “Occupational health hazards among dental technologists in some dental laboratories in Kenya- Mount Kenya University. Proposal level

### **Undergraduate students’ research projects Supervision as external supervisor [18]**

BDS III students for their Community Dentistry Projects - completed;

- 2014: *Mwakisha Hope Mkaluma*: Knowledge perception and attitude of Dentists in Nairobi towards Amalgam Phase-down.
- 2014: *Munene Dickens*: Knowledge Attitude and Practices on Dental Amalgam bonding agents among dentists in Nairobi.
- 2013: *Minai Dolphine Adhiambo*: Knowledge and attitude towards dental materials wastage by undergraduate students of University of Nairobi of Conservation and Prosthetic clinics.
- 2011: *Ndonga Lilian Muthoni*: Selection of direct posterior restoratives by dentists in Nairobi, Kenya.
- 2011: *Kidula Frankline Lusega*: Knowledge attitude and use of resin cements among dentists in Nairobi – Recently completed.
- 2010: *Mutio K. Joseph*: knowledge and attitude towards dental amalgam restorations among patients attending conservation clinic at the University of Nairobi Dental Hospital.
- 2010: *Nyamai Jemmimah*: Knowledge, attitude and practice of dental flossing among dental and medical students of the University of Nairobi.
- 2008: *Bagha Shaukat*: knowledge, attitude and oral hygiene practices of patients attending periodontal clinic at UoN Dental Hospital.
- 2008: *Choene Chapua*: Practise and choice of dentifrices and tooth cleaning aids among dental and medical students at the University of Nairobi, Kenya.
- 2007: *Edalia Laura Ghawalla*: Oral Health knowledge, attitudes, practices and carries experience among 10-12 year olds in two children homes in Nairobi
- 2007: *Mulu Maryanne*; Knowledge attitude and cultural practices among Kamba community.
- 2006: *Chepkwony Fridah*; Oral Health Knowledge, attitude and practices amongst primary school teachers in Nairobi.
- 2006: *Alubale Elizabeth*: indications for initial and replacement of amalgam and composite restorations among patients at the University of Nairobi Dental Hospital.

- 2005: *Osiro Olivia*: Knowledge, perception and practice of a traumatic restorative treatment among dentists in Nairobi.
- 2003: *Osamong Lilian .A*: Knowledge attitude and practice of dentists in Nairobi towards management of dental waste.
- 2002: *Irungu P. Muthoni*: The practice and knowledge of mercury toxicity in the use of silver- amalgam restoration materials by dentists in Nairobi.
- 2002: *Paracha F.M Salim*: selection of direct posterior dental restorative materials by dentists in Nairobi.
- 1999: *Nguyo Eunice*: Knowledge, attitude and use of pit and fissure sealants by dentists in Nairobi.

**A: Full paper publications in peer reviewed journals [20]**

1. Munene D.M, Mutave R.J and **Kisumbi B**. Knowledge selection and use of bonding agents by dentists in Nairobi. *Kenya Dental Association* 2015:6:2; 280 - 293.
2. 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.
3. 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.
4. 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.
5. **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.
6. 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.
7. 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.

8. Ganatra FA, **Kisumbi B.K**, Gathece LW. Selection of posterior dental restoratives by dentists. *Journal of Kenya Dental Association* 2009:1(3): 59-64.
9. 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.
10. 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.
11. 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.
12. **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.
13. 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.
14. 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
15. Watts DC, **Kisumbi BK**, Toworfe GK. Dimensional changes of resin/ionomer restoratives in aqueous and neutral media. *Dental Materials* 2000:16(2):89-96.
16. **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.
17. **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.
18. 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.
19. 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.
20. Wakiaga JM, **Kisumbi BK**, Chindia ML. Discolouration of teeth: An overview of the Diagnosis and management. *East African Medical Journal*. 1995: 72:213-216.

**B: Master of philosophy Theses [1]**

**C: 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.

**D: Publications of chapters in e-books [3]**

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](http://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](http://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](http://www.uonbi.ac.ke) [CO-AUTHOR]
4. Osiro OA, Simila HO, **Kisumbi BK** (2015) VDS 390: Part II Module II. Indirect and restorative and prosthetic materials. **Chapters in e- book under publication.**

**E: 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>.

**Abstract presentations in Local and international conferences [27]**

- 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. 19<sup>th</sup> to 21<sup>st</sup> November 2015. Boma Inn Hotel, Eldoret.
- 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. 19<sup>th</sup> to 21<sup>st</sup> November 2015. Boma Inn Hotel, Eldoret.
- 2014: Munene D.M, Mutave R.J, **Kisumbi B.K**. *Choice of tooth resin bonding agents is novel better?* 32<sup>nd</sup> Kenya Dental Association Annual conference and exhibition, Sarova Panafric Hotel, Nairobi 30<sup>th</sup> October to 1<sup>st</sup> November 2014.



- 2014: Minai D.A, Macigo F.G, **Kisumbi B.K**: Knowledge and attitude towards dental materials wastage by undergraduate students. 32<sup>nd</sup> Kenya Dental Association Annual conference and exhibition, Sarova Panafric Hotel, Nairobi 30<sup>th</sup> October to 1<sup>st</sup> November 2014.
- 2013: **Kisumbi B.K.** Gathece L.W, Koyio L.N, Wamai J.G. *Use and accessibility of restorative materials to Dentists in East Africa..* 31<sup>st</sup> Kenya Dental Association Annual Conference & Exhibition, 17<sup>th</sup> to 19<sup>th</sup> October 2013. Mombasa Continental Hotel, Mombasa Kenya.
- 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 28<sup>th</sup> to 31<sup>st</sup> August 2013. Istanbul, Turkey.
- 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.* 30<sup>th</sup> Kenya Dental Association Conference & Exhibition, 11<sup>th</sup> to 13<sup>th</sup> October, 2012, Panafric Hotel Nairobi, Kenya.
- 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.* 30<sup>th</sup> Kenya Dental Association Conference & Exhibition, 11<sup>th</sup> to 13<sup>th</sup> October, 2012, Panafric Hotel Nairobi, Kenya
- 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 15<sup>th</sup> to 17<sup>th</sup> June 2011. Nairobi, Kenya
- 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 15<sup>th</sup> to 17<sup>th</sup> June 2011. Nairobi, Kenya
- 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 23<sup>rd</sup> October 2010
- 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 23<sup>rd</sup> October 2010.
- 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 23<sup>rd</sup> October 2010
- 2009: Kassim BA, **Kisumbi BK**, Lesan WR. *Efficiency of Light curing units: Effects of Age and Type.* 2<sup>nd</sup> International Association of Dental research (IADR) Africa and Middle East Regional Conference. September 22<sup>nd</sup> to 25<sup>th</sup> Whitesands, Mombasa, Kenya.
- 2009: Choene HC, **Kisumbi BK**, *Knowledge, practice and choice of dentrifices by dental students.* 2<sup>nd</sup> International Association of Dental research (IADR) Africa and Middle East Regional Conference. September 22<sup>nd</sup> to 25<sup>th</sup> Whitesands, Mombasa, Kenya.

- 2008: **Kisumbi B.K** Wakiaga JM, Maina S.W and Lesan WR. *Yellowness and blueness of some direct esthetic restoratives after exposure to beverages.* 26<sup>th</sup> KD Annual scientific Conference and 22<sup>nd</sup> International Association of Dental research (IADR) East & Southern Africa Division October 16<sup>th</sup> to 18<sup>th</sup> 2008, Hotel Intercontinental, Nairobi, Kenya
- 2008: Mulu M ,Gathece LW, **Kisumbi BK**. *Knowledge, attitude and dental cultural practices among the Kamba community* 26<sup>th</sup> KDA Annual scientific Conference and 22<sup>nd</sup> International Association of Dental research (IADR) East & Southern Africa Division October 16<sup>th</sup> to 18<sup>th</sup> 2008, Hotel Intercontinental, Nairobi, Kenya
- 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**) 21<sup>st</sup> meeting of the East & Southern Africa Division; 18<sup>th</sup> to 20<sup>th</sup> October, 2007. Hotel Africana Kampala, Uganda.
- 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**) 21<sup>st</sup> meeting of the East & Southern Africa Division; 18<sup>th</sup> to 20<sup>th</sup> October, 2007. Hotel Africana Kampala, Uganda.
- 2004: **Kisumbi B.K** & Ileri SK. *Symptoms at presentation at a private dental clinic in Nairobi, Kenya.* The 1<sup>st</sup> International Association for Dental research (**IADR**) Joint meeting of the East & Southern Africa and Kuwaiti Divisions; and Jordanian Section. 25<sup>th</sup> to 28<sup>th</sup> August, 2004. Hilton Hotel, Nairobi, Kenya.
- 2004: Paracha FMS, **Kisumbi BK** & Gathece LW. *Selection of posterior restoratives materials by dentists in Nairobi.* The 1<sup>st</sup> International Association for Dental research (**IADR**) Joint meeting of the East & Southern Africa and Kuwaiti Divisions; and Jordanian Section. 25<sup>th</sup> to 28<sup>th</sup> August, 2004. Hilton Hotel, Nairobi, Kenya.
- 2002: **Kisumbi BK** & Wakiaga JM. *Role of bitewing in caries management in a dental school.* The 2<sup>nd</sup> Joint Congress of the South African and The East & Southern Africa Divisions of (IADR) 15<sup>th</sup> to 16<sup>th</sup> August 2002. Durban, South Africa
- 2000: Wakiaga JM & **Kisumbi BK**. *In-vitro colour changes of resin composites in beverages.* 14<sup>th</sup> Scientific Conference of the (**IADR**), East & Southern Africa Division. August 30<sup>th</sup> to 2<sup>nd</sup> September, 2000. Harare, Zimbabwe.
- 2000: Mungai TC, **Kisumbi BK**, Wakiaga JM & Ileri SK. *Patients compliance to dental appointments: Preliminary findings.* 14<sup>th</sup> Scientific Conference of the (**IADR**), East & Southern Africa Division. August 30<sup>th</sup> to 2<sup>nd</sup> September, 2000. Harare, Zimbabwe.
- 2000: **Kisumbi BK** & Watts DC. *Setting shrinkage strain of resin ionomer restoratives in-vitro.* 14<sup>th</sup> Scientific Conference of the (**IADR**), East & Southern Africa Division. August 30<sup>th</sup> to 2<sup>nd</sup> September, 2000. Harare, Zimbabwe
- 2000: Mutave RJ & **Kisumbi BK**. *Attitude of urban Kenyan population towards replacement of teeth: preliminary findings.* 14<sup>th</sup> Scientific Conference of the (**IADR**), East & Southern Africa Division. August 30<sup>th</sup> to 2<sup>nd</sup> September, 2000. Harare, Zimbabwe

- 1999: **Kisumbi BK** & Watts DC. *Toothbrush abrasion rates of modified Glass ionomer restoratives in-vitro*. 13<sup>th</sup> Scientific Conference of the (**IADR**), East & Southern Africa Division. November 3<sup>rd</sup> to 5<sup>th</sup>, 1999. Kampala, Uganda.
- 1998: **Kisumbi BK** & Watts DC. *Dimensional changes of Resin/ionomer restoratives in Aqueous and neutral media*. 76<sup>th</sup> General session & Exhibition of (**IADR**) 24<sup>th</sup> to 28<sup>th</sup> June. Nice, France
- 1998: **Kisumbi B.K** & Watts D.C Discolouration of restorative materials by beverages. 12<sup>th</sup> Scientific Conference of the (**IADR**), East & Southern Africa Division. Hilton Hotel, Nairobi.

### Research in Progress [7]

1. **Dr B.K Kisumbi**, H.O Simila, A.O Osiro, BI Omondi – Selection of impression materials and techniques by dental practitioners in Kenya. At Data collection stage
2. **Dr B.K Kisumbi** - The dental amalgam use and effects of best waste management on quantity of mercury in dental waste water in Kenya – PhD Proposal Development Level
3. Osiro A.O, **Kisumbi B.K**; Categorisation and selection of direct restorative materials by dentist in Kenya – Report writing
4. Simila H.O, Ogada C.N and **Kisumbi B.K**; In-vitro evaluation of properties of recycled Plaster of Paris for use in Dentistry, Data collection
5. Dr Ombuna, Maina S.W, **Kisumbi B.K**, Kassim B.A A.K MDS Prosthodontics “ Assessment of quality of tooth preparations for full crowns and bridges in selected dental laboratories”. Student in Thesis report – submitted.
6. Dr Kaaria Mwirigi, **Kisumbi B.K**, Omondi B.I, Nyaga J.M MDS Prosthodontics “to “Evaluation of chemical and mechanical properties of heat-activated acrylic denture bases polymerized using improvised curing techniques in dental laboratories in Nairobi.” At data collection stage.
7. Irene W. Gichora, **Kisumbi B.K** “Occupational health hazards among dental technologists in some dental laboratories in Kenya- Mount Kenya University. Proposal level
8. Simiyu B.N, **Kisumbi B.K**, Dienya T.J “Prevalence and characteristics of post-endodontic treatment disease among patients seeking treatment at a referral teaching Hospital in Kenya”.

### Research Completed

- Desk top study on Waste management practice AND TRADE FLOW OF AMALGAM AND ITS ALTERNATIVES IN Kenya, Tanzania and Uganda 2012.

- Environment effects on Dental Restoratives. Effects of aqueous and neutral media, beverages, and toothbrush abrasion on hybrid ionomers in-vitro.
- Chemical microabrasion technique on fluorosed teeth [1994-1996].
- Selection of direct posterior restoratives by dentists in Nairobi.
- Data collection on failed amalgam restorations presenting to the Conservation clinic in a University Dental Hospital.
- Research assistant to Dr P. Wanzala on Oral lesions in babies from HIV infected mothers at Pumwani Maternity Hospital in 1988.

### **Research Completed**

- Desk top study on Waste management practice AND TRADE FLOW OF AMALGAM AND ITS ALTERNATIVES IN Kenya, Tanzania and Uganda 2012 -2013

### **Hands on Courses attended [12]**

- 2014: *e-learning materials' writing workshop* 26<sup>th</sup> October to 31<sup>st</sup> October 2014. At KWSTI Naivasha, Kenya.
- 2013: *e-learning materials' writing workshop* 27<sup>th</sup> August to 1<sup>st</sup> September 2013. At KWSTI Naivasha, Kenya.
- 2012: *e-learning materials' writing workshop* 27<sup>th</sup> August to 1<sup>st</sup> September 2012. At KWSTI Naivasha, Kenya.
- 2012: *Intel Skool health care education platform training*, 1<sup>st</sup> August 2012. College of Health Sciences, University of Nairobi
- 2012: *e-learning materials' writing workshop* 10<sup>th</sup> to 16<sup>th</sup> June 2012. At KWSTI Naivasha, Kenya.
- 2012: *e-learning materials' writing workshop* 26<sup>th</sup> to 30<sup>th</sup> March 2012. At Kenya School of Law Karen. Facilitated by School Distance learning, University of Nairobi.
- 2010: *Self Adjusting Files (SAF) course* July 31<sup>st</sup> At School of Dental Sciences, University of Nairobi.
- 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. 4<sup>th</sup> to 6<sup>th</sup> March
- 2007: *Direct Veneers* 25<sup>th</sup> KDA Annual Scientific Conference and Exhibition. 7<sup>th</sup> -9<sup>th</sup> October, 2007. Hotel Intercontinental, Nairobi, Kenya.
- 2002: *Atraumatic Restorative Treatment*. The 2<sup>nd</sup> Joint Congress of the South African and The East & Southern Africa Division, Durban, South Africa 17<sup>th</sup> August 2002.
- 2001: *Implantology and orthodontics in the millennium*: CME Faculty of Dental Sciences University of Nairobi. 21<sup>st</sup> to 23<sup>rd</sup> March 2001.

1997: *Personal and professional skills*. Graduate School in Science, Engineering & Medicine. University of Manchester. 12<sup>th</sup> to 13<sup>th</sup> may 1997.

### **Lecture Presentations on invitation [20]**

- 2015: **East Africa Dental amalgam phase-Down project 1 – Kenya.** 2 at the EADAPD phase 2 Inception workshop United Nations Complex, Gigiri, Nairobi, Kenya. 23<sup>rd</sup> March, 2015.
- 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. 24<sup>th</sup> to 26<sup>th</sup> February, 2015.
- 2014: **What’s new in restorative materials for Paediatric Dentistry?** Kenya Paediatric Dental Association, CPD talk at Silver Springs Hotel. 22<sup>nd</sup> October 2014.
- 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 5<sup>th</sup> November 2013.
- 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 5<sup>th</sup> November 2013.
- 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 5<sup>th</sup> November 2013.
- 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 5<sup>th</sup> November 2013.
- 2013: **Dental amalgam waste management practice and alternative filling materials - Stakeholders workshop for the East Africa Dental Amalgam Phase-down Project.** 22<sup>nd</sup> October 2013. Kenya Institute of Education, Nairobi.
- 2013: **Best waste Management Practice of Dental Amalgam and alternative materials Lecture and group work facilitation.** 1<sup>st</sup> November 2013. Africa Dental Amalgam Phase-down Project Oral health workers Training workshop at School of Dental Sciences, University of Nairobi.
- 2013: **The global phase-down of Dental amalgam and Dentists role in Best Management Practice:** Continuous Professional Development KDA: Monday, 14<sup>th</sup> October 2013. School of Dentistry, Moi University.

- 2013: **The global phase-down of Dental amalgam and Dentists role in Best Management Practice:** Continuous Professional Development KDA: Thursday, 25<sup>th</sup> April 2013. Panafric Hotel, Nairobi
- 2012: **Best waste management of dental amalgam the Kenyan issue:** Inception Workshop of the East Africa (Kenya, Tanzania, Uganda) Dental Amalgam Phase-down Project, 18<sup>th</sup> December 2012 at KIE, Nairobi.
- 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, 18<sup>th</sup> December 2012 at KIE, Nairobi.
- 2009: **Recent advances in use of restorative materials:** CPD talk at Gertrude's Children Hospital, Nairobi. 22<sup>nd</sup> May, 2009.
- 2009: **Teeth whitening: What Works When:** Friday, February 20, 2009 Harley's, Westlands.
- 2006: Special Lecture **"What's new in Dental materials"** 24<sup>th</sup> Kenya Dental Association (KDA) Annual Scientific Conference and Exhibition. 26<sup>th</sup> to 28<sup>th</sup> October, 2006, Panafric Hotel, Nairobi.
- 2004: Special Lecture **"Direct aesthetic Posterior restoratives"** The 1<sup>st</sup> International Association for Dental research (IADR) Joint meeting of the East & Southern Africa and Kuwaiti Divisions; and Jordanian Section. 25<sup>th</sup> to 28<sup>th</sup> August, 2004. Hilton Hotel, Nairobi, Kenya.
- 2001: **Appropriate technology and strategies using appropriate materials and cost effective techniques.** National oral Health policy Workshop. June 2001. Mbagathi Nairobi, Kenya.
- 2000: Lecture **"Hybrid ionomer restoratives"** East Africa Division of IADR dental symposium. Silver springs hotel, Nairobi, Kenya. 30<sup>th</sup> March 2000.
- 2000: Special Lecture **"Microabrasion techniques in the management of dental fluorosis"** Kenya Dental Association, Scientific Seminar 17<sup>th</sup> November 2000.

#### **Conferences, Workshops, Symposia and Professional meetings Attended [46]**

- 2015: 33<sup>rd</sup> Kenya Dental Association/ 24<sup>th</sup> East and Southern Africa Division of IADR joint conference and exhibition. 19<sup>th</sup> to 21<sup>st</sup> November 2015. Boma Inn Hotel, Eldoret.
- 2015: Regional Workshop in support for the ratification and effective implementation of the minimata convention on Mercury. United Nations Complex, Gigiri, Nairobi, Kenya. 24<sup>th</sup> to 25<sup>th</sup> March, 2015.
- 2015: East Africa Dental Amalgam Phase-Down (EADAPD) project 2 Inception workshop United Nations Complex, Gigiri, Nairobi, Kenya. 23<sup>rd</sup> March, 2015.

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

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



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

#### **CONTINUOUS PRPFSSIONAL DEVELOPMENT TALKS ATTENDED [51]**

- 2015:** Launch of National Oral health survey report. Serena Hotel 13<sup>th</sup> November 2015.
- 2015: **Use of Clear Aligner technology in orthodontics.** CPD talk by Kenya Association of Pediatric Dentistry (KAPD) on Thursday, 30<sup>th</sup> July, 2015. Silver Springs Hotel, Nairobi.
- 2015: **Selection of tooth coloured restorative materials: Knowledge of the composite-GIC continuum.** CPD talk by Kenya Dental Association 20<sup>th</sup> July, 2015 at Panafric Hotel, Nairobi.
- 2015: **Governance in Dental Practice.** CPD talk by Kenya Dental Association 7<sup>th</sup> July, 2015 at Panafric Hotel, Nairobi.
- 2015: **Role of dentists in advancing nutrition.** CPD talk by Kenya Dental Association 4<sup>th</sup> June 6pm, 2015 at Panafric Hotel, Nairobi
- 2015: **Back pain management and prevention.** CPD talk by Kenya Dental Association 4<sup>th</sup> June 7pm, 2015 at Panafric Hotel, Nairobi.

- 2014: **Teeth or Implants.** CPD talk by Kenya Dental Association 24<sup>th</sup> July, 2014 at Panafric Hotel, Nairobi.
- 2014: **Periodontal Considerations in Treatment planning and Dentine hypersensitivity**  
Launch of new tooth paste. Hotel Intercontinental 11th July 2014.
- 2014: **“MDI Implant workshop”** School of Dental Sciences. 9<sup>th</sup> May 2014.
- 2014: **"Dentistry in Children"** . CPD talk by Kenya Dental Association 21<sup>st</sup> March, 2014 at Panafric Hotel, Nairobi.
- 2013: **Children’s oral Health.** CPD talk by Kenya Dental Association 23<sup>rd</sup> July, 2013 at Panafric Hotel, Nairobi.
- 2013: **Dedicated Practice management platform for dental and related health care automation.**  
CPD talk by Kenya Dental Association 1<sup>st</sup> August, 2013 at Panafric Hotel, Nairobi.
- 2013: **Management of gingival enlargement in Hypertensive patients.** By School of Dental Sciences and GlaxoSmithkline Ltd . At Unimars Lecture Theatre – 31<sup>st</sup> July, 2013.
- 2013: **The global phase-down of Dental amalgam and Dentists role in Best Management Practice:** CPD talk by Kenya Dental Association 25<sup>th</sup> April , 2013 at Panafric Hotel, Nairobi.
- 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, 31<sup>st</sup> May, 2012
- 2012: **Oral Odour management.** By School of Dental Sciences and Wriglers Ltd. At Unimars Lecture Theatre - Wednesday, 16<sup>st</sup> May, 2012
- 2012: **Update on dentine Hypersensitivity.** By School of Dental Sciences and GlaxoSmithkline Ltd. At Unimars Lecture Theatre – Wednesday 2<sup>nd</sup> May, 2012
- 2012: **Oral and maxillofacial bacterial infections.** By School of Dental Sciences and GlaxoSmithkline . At Unimars Lecture Theatre – Wednesday, 21<sup>st</sup> March 2012
- 2012: **Management of a patient with severe fluorosis, tooth loss and restorative space.**  
Unimars hall SDS 1<sup>st</sup> March 2012.
- 2012: **Castable glass ceramic properties and challenges in production of aesthetic restoration and how to overcome them.** CPD School of Dental Sciences, 26<sup>th</sup> April 2012 at SDS Unimars Lecture
- 2012: **Serotomia in Prosthodontics,** CPD School of Dental Sciences, 17<sup>th</sup> April 2012 at SDS Unimars Lecture.

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

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

## **Skills**

- Grant proposal writing
- 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.

### **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, 3<sup>rd</sup> to 7<sup>th</sup> march 2008.
- Country Councillor (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

### **National responsibilities**

- Board member, Wote Technical Training Institute
- Board members & Secretary, Kyeni International Organization
- Board member Matiku Primary School
- Member Lion's club of Kenya
- 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

### **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

## Other activities

- Chairlady, Social Welfare Committee AIC Ngong Road Choir - current
- Secretary, Gold Couples Fellowship, AIC Ngong Road- Current
- Chairperson & Host, Langata Nairobi West Cell group of AIC Ngong Road up to Feb 2012.
- Host, Langata Nairobi West Cell group of AIC Ngong Road Current
- Secretary, Sonshine Fellowship group – 2014 – current
- 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)
- 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

## Hobbies

- Singing – AIC Ngong Road Choir Member
- Cooking

## Referees

### Professor M.L Chindia

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Sign.....

Date: Thursday, December 17<sup>th</sup> 2015

**Dr Bernina Kyale Kisumbi**