Name	Dr David Mokono Kaburi Ongeri		
Qualification	PhD in Chemistry		
Picture <mark>(JPEG</mark> or better)			
Department	Chemistry		
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Brief Bio	Dr. Ongeri David Mokono Kaburi was born in the year 1970 in Kera Village near Nyatieko secondary and primary school. He is a son to Mr. James Ongeri Mang'aa and Ms Reeca Moraa Ongeri. He is married to Dr. Damaris Nyakoe and has been blessed with three children. He graduated from Nyakeogiro primary school and progressed to Kisii High school for his O-levels. He proceeded to Nyanchwa High school for his A-levels and thereafter joined Jomo Kenyatta University of Agriculture and Technology where he attained a bachelors degree in chemistry. He proceeded to the University of Nairobi where he attained a masters degree in Chemistry. He progressed to Maseno University where he was awarded a PhD in Chemistry. He joined Postdoctoral Fellowship in Helmoltz-Zentrum, Germany. He is currently a senior lecturer and researcher at Maseno University in Kenya		
Current Research: We also need past research activities	Heavy metal and other toxicants distribution, degradation, speciation, and negative effects in the environment. Advancement of locally/cheap available materials in wastewater treatment.		
Publications:	 S.O. Wandiga, D.M.K. Ongeri, L. Mbuvi, J.O. Lalah, and I.O. Jumba. (2002). Accumulation, Distribution and Metabolism of ¹⁴C-1,1,1-Trichloro-2,2-<i>bis</i>-(<i>p</i>-Chlorophenyl) Ethane (<i>p</i>,<i>p</i>'-DDT) residues in a model tropical marine ecosystem. <i>Environ. Technol.</i> 23, 1285-1292. Selper Ltd. J.O. Lalah, D.M.K. Ongeri, S.O Wandiga, and I.O. Jumba. (2003). Dissipation, Distribution, and Uptake of ¹⁴C-Chloropyrifos in a Model Tropical Seawater/Sediment/Fish Ecosystem. <i>Bull. Environ. Contam. Toxicol.</i> 70, 883- 890. Springer-Verlag New York Inc. D.M.K. Ongeri, J.O. Lalah, S.O Wandiga, K.W. Schramm, B. Michalke. (2008). 		

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- S. Omwoma, W.N. Omwoyo, J.O. Alwala, D.M.K. Ongeri, L.C. Sylus, J.O. Lalah, (2012). Nutrient reduction in runoff water from sugarcane farms by sedimentation method. *Environmentalist*, Vol. **32**(4), 494-502.
- D.M.K. Ongeri, J.O. Lalah, S.O. Wandiga. (2012). Seasonal variability in cadmium, lead, copper, zinc, and iron concentrations in the three major fish species; *Oreochromis niloticus, Lates niloticus* and *Rastreneobola argentea* in Winam Gulf, Lake Victoria: Impact of wash-off water into the lake. *Bull. Environ. Contam. Toxicol.* 88, 166-171. Springer link.
- S. Omwoma, J.O. Lalah, D.M.K. Ongeri. (2012). Impact of Agronomic inputs in sugarcane farming on on total heavy metal levels in aquatic ecosystems and soils within Lake Victoria Basin, Kenya. Kabarak Journal of Research and Inovation. 1, 141-160.
- W.N. Omwoyo, P.O. Owuor, D.M.K. Ongeri, D.M. Kamau, B.O. Kwach, P.M. Munyao, M.O. Otieno (2013). Availability of some inorganic micronutrients an effects of grading on their levels in East African black teas and infusions. *Asian J. Biol. Life Sci.* 2(1), 42-49.
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		Curriculum Vitae
	Personal Details	
	Name:	Dr. Ongeri David Mokono Kaburi
	Date of Birth:	27 th October 1970
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	Work:	Senior Lecturer/Researcher.
	Email address:	daviongeri1@gmail.com, daviongeri@yahoo.com
	Education	
	Oct. 1990 - Dec. 1994:	B.Sc. (2 nd Class Hons. Upper division), Chemistry,
		Jomo Kenyatta University of Agriculture and
		Technology, Kenya)
Atta ab waa wat	Oct. 1995 – Nov. 1999:	M.Sc., Chemistry, University of Nairobi, Kenya.
Allaciiiiieiil	Oct. 2004 – Dec. 2008:	Ph.D. in Chemistry, Maseno University, Kenya.
	Aug. 2010 – Oct. 2010:	Postdoctoral Fellow (Helmoltz-Zentrum, Germany);
	Work Experience	
	Jan. 1990 – Oct.1990:	Teacher at Nyatieko Secondary School.
	Jan. 1994 – Sep. 1995:	Teacher at Nyanchwa Adventist Secondary School.
	Aug. 1998 – Sep. 2003:	Pesticides Research at Coffee Research Foundation, Ruiru,
	Kenya.	
	Dec. 2002 – Dec 2002:	Electoral Commission of Kenya (ECK) Polling/Counting Clerk
	Oct. 2003 – Feb. 2009	Tutorial Fellow at Maseno University Department of
		Chemistry, Maseno University, Kenva.
	Aug. 2010 – Oct. 2010:	Postdoctoral Research Fellow, " Impact of human and

industrial activities along the shores of Winam Gulf, Lake Victoria, on trace metal accumulation and distribution determined by sequential extraction and ICP-OES", Department of Chemistry, Helmoltz Zentrum Institute, Munich, Germany. Mar. 2009 – May. 2011: Lecturer, Department of Chemistry, Maseno University, Kenya. Jun. 2011 – Date: Senior Lecturer, Department of Chemistry, Maseno University, Kenya. Postgraduate Thesis. Ongeri, D.M.K. (1998). The Fate of DDT and Chloropyrifos Applied in a Model Ecosystem Simulating a Tropical Marine Environment. MSc. University of Nairobi, Kenya. Ongeri, D.M.K. (2008). Physicochemical Parameters, Heavy Metal Residue Levels and their Speciation Studies in Lake Victoria Basin. Ph.D. Maseno University, Kenya. **Publications in Peer Reviewed Journals** S.O. Wandiga, D.M.K. Ongeri, L. Mbuvi, J.O. Lalah, and I.O. Jumba. (2002). 21. Accumulation, Distribution and Metabolism of ¹⁴C-1,1,1-Trichloro-2,2-bis-(p-Chlorophenyl) Ethane (p, p'-DDT) residues in a model tropical marine ecosystem. Environ. Technol. 23, 1285-1292. Selper Ltd. 22. J.O. Lalah, D.M.K. Ongeri, S.O Wandiga, and I.O. Jumba. (2003). Dissipation, Distribution, and Uptake of ¹⁴C-Chloropyrifos in a Model Tropical Seawater/Sediment/Fish Ecosystem. Bull. Environ. Contam. Toxicol. 70, 883-890. Springer-Verlag New York Inc. 23. D.M.K. Ongeri, J.O. Lalah, S.O Wandiga, K.W. Schramm, B. Michalke. (2008). Trace metals in Lates niloticus and Rastrineobola argentea samples forhuman consumption at Winam Gulf of Lake Victoria. Toxicol. Environ. Chem 91(2), 233-240. Springer New York Inc. 24. D.M.K. Ongeri, J.O. Lalah, S.O Wandiga, K.W. Schramm, B. Michalke. (2009). Levels of toxic metals in multisectoral samples from Winam Gulf of Lake Victoria Basin. Bull. Environ. Contam. Toxicol. 82(1), 64-69. Springer link. 25. D.M.K. Ongeri, J.O. Lalah, S.O Wandiga. (2010). Speciation of Cd, Cu, Zn, Fe and Pb in sediments sampled from Lake Victoria Basin, Kenya. Environmentalist, 30 254-259. Springer. 26. S. Omwoma, J.O. Lalah, D.M.K. Ongeri, M.B. Wanyonyi. (2010). Impact of fertilizers on heavy metal loads in surface soils in Nzoia nucleus estate sugarcane farms in Western Kenya. Bull. Environ. Contam. Toxicol. 85(6), 602-608. Springer link. 27. S. Omwoma, J.O. Lalah, D.M.K. Ongeri, P. Okinda-Owuor. (2011). Impact of Agronomic inputs in sugarcane farming on surface river water quality in the Lake Victoria catchments. Programme and book of the abstracts of the 4th NCST National conference. 28. S. Omwoma, W.N. Omwoyo, J.O. Alwala, D.M.K. Ongeri, L.C. Sylus, J.O. Lalah, (2012). Nutrient reduction in runoff water from sugarcane farms by sedimentation method. Environmentalist. Vol. 32(4), 494-502. 29. D.M.K. Ongeri, J.O. Lalah, S.O. Wandiga. (2012). Seasonal variability in

cadmium, lead, copper, zinc, and iron concentrations in the three major fish species; *Oreochromis niloticus, Lates niloticus* and *Rastreneobola argentea* in Winam Gulf, Lake Victoria: Impact of wash-off water into the lake. *Bull. Environ. Contam. Toxicol.* **88**, 166-171. Springer link.

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- 39. W. Nyairo, Y.R. Eker, C. Kowenje, D. M.K Ongeri (2017). Efficient Removal of

Lead(II) ions from Aqueous Solutions Using Methyl-β-Cyclodextrin Modified Graphene Oxide. *Water Air Soil Pollut*, **228**, 406

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Some PhD Thesis Examined

Kwach, B.O. (2013). Variations in Camellia sinensis (L) Leaf Nutrients and Polyphenols Levels with Genotypes, Nitrogenous Fertilizer Rates, Season and Plucking Intervals in Eastern Africa Tea Growing Regions, PhD Thesis, Maseno University

Some MSc Thesis Examined

- Jondiko Erick Omollo (2009). Response of clonal tea to different tea growing environments, nitrogenous fertiliser rates and plucking intervals in the Kenya Highlands. Maseno University.
- Otieno Peter Tudor (2010). Monitoring carbofuran residues in Laikipia and Isiolo Districts in Kenya for ecological risk assessments. Maseno University.
- Adoli Florence K. Ludenyo (2010). Heavy metal concentrations in sediments, soils, waters and mosses around pan african paper mills, webuye. Maseno University.
- Musungu Chamula Patrick (2011). Anthropogenic point sources and levels of nutrients to Winam Gulf of Lake Victoria, River Kisat and Nyalenda Wigwa Stream in Kisumu City. Maseno University.
- Okumu John Otieno (2013). An assessment of the levels of lead and cadmium in the liver of catfish (*clarias gariepinus*) in Nyalenda Waste Stabilization Pond and Ogal Beach of Lake Victoria, under the city council of Kisumu, Kenya'. Maseno University.

Some PhD Students supervised and Graduated

- Nyairo W.Nyanduko (2018). Optimization of Graphen Oxide with Methyl-Cyclodextrin and Carbon Nanotubes with Polypyrole for Removal of Lead(II) and Copper ions from Water. Maseno University.
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MSc students supervised and graduated

- Omwoma Solomon (2009). Heavy metal levels and physicochemical parameters in soils, sediments and water samples from Sugar plantations, canals and River Kuywa within Nzoia nucleus estate farms in Western Kenya. MSc. Maseno University.
- Makhoha Grace (2009). The efficacy of organic fertilizer in boosting essential minerals in leaves of mature and young African Indigenous Vegetables at different ages and geographical areas in Western Kenya. Maseno University.
- Wesley Nyaigot Omwoyo (2011). Assessment of the levels of micronutrients in black tea from different regions of East Africa and changes in their levels due

 to agronomic practices. Maseno University. Shikuku O. Victor (2012). Effects of zeolite X on dissipation kinetics of methyl iodide in water. Maseno University Agunja Erick Omondi (2016): determination of effective combinations of selected local materials for treatment of borehole water and to compare their offections with municipal water treatment technology. Maseno University
 Current PhD students supervised Musungu Chamula Patrick (2013). An assessment of physicochemical
Victoria Basin. Kiema M. Francis (2015): Assessment and biodegradation of selected phthalates in
soils, sediments and industrial effluents from selected industries in kenya
Okemwa T. Teddy (2017): Potentially hazardous heavy metals in sediment and surface water in selected large-scale agricultural areas in kenya and their health risks when ingested
Current MSc students supervised
David Juma Owino (2015). Seasonal Variation Effect on Water Quality Parameters and Levels of Selected Heavy Metals in Borehole and Well Waters in Ahero, Kenya
 Some of the undergraduate students supervised and graduated in projects Owuor J.J (2006). Chloride, iron, calcium and phosphorus composition in clay consumed by women. Wekeza K.A. (2007). Heavy metal content analysis in Nairobi City street soils
 Ombaba J.O. (2007). Distribution levels of trace metals zinc, lead and cadmiur in clays consumed by humans.
 Mbogori S. M. (2007). Heavy metal levels in water consumed in Maseno University, in Kenya and its environs
 Oindo G. (2007). Trace metal levels in Kisumu City soils Ochieng F. (2007). Heavy metal contamination levels in water used in Maseno University and its environs
 Amoke L.O. (2008). Analysis of heavy metal residues in metal manufacturing industries in Kisumu City
• Gitonga M.G. (2009). Levels of heavy metals in beans in Kisumu City, Luanda Township and maseno Market centre
 Mbaya D. (2009). Heavy metal levels in <i>Brassica acephala</i> and <i>Brassica oleracea</i> sampled from Kisumu City and Luanda Township in Kenya
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