

Professor Shem Oyoo Wandiga, *FRSC, EBS, D.SC. (hc.)*

Atmospheric Research

AWARDS

UNESCO MEDAL PRIZE, 10th April, 2015

Chancellor, Egerton University, 26th July, 2013.

Doctor of Science, Honoris Causa, Egerton University, July 26, 2013.

EBS- December, 1986. Awarded Order of the Elder of Burning Spear, Second Class

Dr. Shem O. Wandiga is Professor of Chemistry at the department of Chemistry, University of Nairobi and Acting Director, Institute for Climate Change and Adaptation. He was also Deputy Vice Chancellor (Administration and Finances) of the University (1987-94). Prof. Wandiga's research interests lie in studying sources and sinks of biogenic gases; persistent organochlorine pesticides in the tropics; trace metals concentration in various environmental media; complexes of Group VB metals with sulfur and oxygen binding ligands; and climate change and health. Prof. Wandiga was the Principal Investigator in project called "Capacity building to evaluate and adapt to climate-change-induced vulnerability to malaria and cholera in the Lake Victoria Region under the GEF funded, UNEP executed and START and TWAS implemented project: Assessment of Impact and Adaptation to Climate Change.

He was appointed as the Co-coordinator of the Policy and Planning Task Group of the Ministry of Education (1991), a US\$60 million The World Bank credit to Kenya Government, which he successfully helped negotiate and manage; elected as Kenya's representative to the Executive Board of UNESCO (1995-99), President of the External Relations and Program Commission of the Board (1997-99).

Fellow: Kenya National Academy of Sciences (1986); World Innovation Foundation (2002-); IUPAC (2004-); AAS (2006-), Royal Society of Chemistry (2010). Member: American Chemical Society (2010). The International Jury UNESCO Kalinga Prize for the popularization of Science (1999-present); Member of the Jury, L'Oreal-UNESCO Award for women, Condensed Matter Science (Physics and Chemistry) 2004; member of the Board: UNESCO's International Basic Sciences Programme (IBSP) (2004-).

He has a Ph.D. in Inorganic Chemistry from Case Western Reserve University, U.S.A.