

Sustainable and Safe Integrative
Healthcare Towards Universal Health
Coverage and Economic Transformation

7TH NOVEMBER, 2023 AT THE BRITISH COUNCIL, ACCRA

















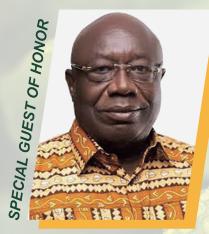




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Hon. Dr. Kwaku Afriyie (Minister of Environment, Science, Technology & Innovation)



Prof. Francis Kasolo (WHO Country Representative, Ghana)



Prof. Alex Asase (Executive Director, CPMR)



Nana Kobina Nketsia V (Omanhen, Essikado Traditional Area)



LOCAL ORGANIZING COMMITTEE

CHAIRMAN

Dr. Kofi Donkor holds BSc (Biochemistry) from University of Ghana and PhD (Pharmacology) from KNUST, Kumasi. He is a senior research scientist at the Centre for Plant Medicine Research (CPMR), Mampong-Akuapem. His research interests are drug development, biochemical toxicology, immunopharmacology and ethnopharmacology.

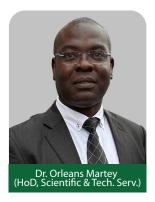


Dr. Donkor is presently the head of the Coordinating Office for Research and Innovation of the CPMR where he leads the Research, Development, Commercialization and Innovation initiatives of the Institute. He also leads the CPMR's institutional grant efforts where he has helped the Institute to win grants from several funding agencies including the WHO, COVID-19 National Trust Fund and GSDF. Prior to his appointment as head of Research and Innovation, he was head of Department of Scientific Information where he led the digitization efforts of the Institute to transform most of the Centre's services from manual into an electronic one including the development of tailor-made software. He is an exceptional organizer and fundraiser having served as the Chair of the annual Oku Ampofo Memorial Symposium now Centre's Oku Ampofo Memorial (COAM) Conference since 2016. Dr. Donkor believes in non-pharmacological interventions and works closely with traditional medicine practitioners and served as the chair of the technical committee of GHAFTRAM. As a result of his close working relationship with WHO-Afro, he was an invited guest to the first WHO Traditional Medicine Global Summit in India in August, 2023.



LOC MEMBERS

















PROGRAMME OUTLINE

Opening Session

Moderator: Umaru Sanda, Citi FM

Time	Activity	Facilitator / Speaker
9:00	Opening Prayer	Mr. Henry Brew-Daniels (Department of Phytochemistry, CPMR)
9:05	Introduction of Chairperson and Special Invited Guests	Dr. Olga Quasie (Head, Department of Pharmacology, CPMR)
9:10	Chairperson's opening remarks	Nana Kobina Nketsia V
9:15	Purpose of gathering	Dr. Kofi Donkor (Head, CORI, CPMR)
9:20	Welcome address	Prof. Alex Asase (Executive Director, CPMR)
9:25	Address by GHAFTRAM President	Prof. Samuel Ato Duncan (President, GHAFTRAM)
9:30	Statement by Board Chairman	Mr. Thomas Boateng Appiagyei (Board Chairman, CPMR)
9:35	Speech by former General Secretary of GMA	Dr. Titus Beyuo (Former General Secretary, GMA)
9:45	AfCFTA: A Key to Economic Transformation	H.E. Wamkele Mene (Secretary General, AfCFTA Secretariat)
9:55	Remarks by Deputy Minister of Health	Hon. Tina Gifty Naa Ayele Mensah (Deputy Minister of Health)
10:00	Address by Keynote Speaker	Prof. Francis C. Kasolo (WHO Country Representative)
10:20	Speech by Special Guest of Honour	Hon. Dr. Kwaku Afriyie (Minister, MESTI)
10:30	Chairman's Closing Remarks	Nana Kobina Nketsia V
10:35	Vote of Thanks	Dr. Mavis Boakye-Yiadom (Head, Clinical Research)
10:40	Announcement/Photographs	LOC
10:45	Snack Break	LOC



Session # 2: Global Perspectives on Integrative Healthcare

Background: This session involves sharing of experiences on integrative health care systems in various countries across the globe. The session presents best practices around the world which could serve as models for Ghana's integrative healthcare agenda.

Moderator: Prof. Motlalepula Matsabisa (University of Free State, South Africa)

Time	Activity	Facilitator / Speaker
11:20	Introduction of Moderator and Speakers	Mrs. Genevieve Yeboah
11:25	Asia	Dr. Sarika Chaturvedi
11:35	Caribbean / North America	Dr. Maryam Hinds
11:45	Europe and South America	Prof. Georg Seifert
11:55	Southern Africa	Prof. Nceba Gqaleni
12:05	West Africa	Dr. Kofi Busia
12:15	Discussion / Q & A	Moderator
12:45	Snack Break	LOC

Session # 3: Sustainable and Safe Integration of Herbal Medicine into Primary Healthcare System in Ghana

Background: This session will focus on integration of herbal medicine into the Ghanaian primary health care system in a sustainable and safe manner. The session will evaluate current strategies and the gaps and proffer suggestions in building a more resilient, sustainable and safe integrative healthcare system. This is in the bid to increase access to primary healthcare towards attainment of universal health coverage. It will also discuss the immense economic potentials of the herbal medicine industry and sustainable use of medicinal plants. There will be two parallel sub-sessions.



Session 3 A: Regulation and Rational Use of Medicinal Plants and Herbal Medicines

Moderator: Dr. Daniel Boamah (Centre for Plant Medicine Research)

Time	Activity	Facilitator / Speaker
13:00	Introduction of Moderator	Mr. Stephen Antwi
	and speakers	
13:05-13:35	Panel discussion	 Dr. Samuel Kow Donkor, (President, Pharmaceutical Society of Ghana) Dr. Deen Hussein (President, Medical Sup Group/Rep, Ghana Medical Association) ASP Edith Tetteh-Charway, MH (Rep, Ghana Association of Medical Herbalists) Dr. Delese A. A. Darko, CEO-FDA, Dr. Albert Arthur (Chair, Registration Committee, TMPC) Prof. A. A. Oteng-Yeboah (Biodiversity Expert, University of Ghana)
13:35-14:00	O & A	Moderator

Session 3 B: Herbal Products Research and Development Towards Economic Transformation

Moderator: Prof. Matthew Oyeyemi (University of Ibadan, Nigeria)

Time	Activity	Facilitator / Speaker
13:00- 13:05	Introduction of Moderator and Speakers	Dr. Orleans Martey
13:05-13:35	Panel discussion	 Dr. Kwabena Safo (MD, KHPRC) Dr. Kofi Donkor (Head, Research and Innovation, CPMR) Ms. Sadika Boateng (MD, Chocho Company Ltd) Dr. Paul Donkor (Head, Dept of Herbal Medicine, UG) Mr. Louis Nortey (Pharmaceutical Lead, Ghana Jet) Mr. Yaw Afful (Executive Director, APN Group)
13:35-14:00	O & A	Moderator



Session # 4: Next Steps and Closing

Moderator: Dr. Alfred Ampomah Appiah (Former Deputy Executive Director, CPMR)

Background: This session will offer participants the opportunity to reflect on the entire program and their thoughts on how a sustainable and safe integrative healthcare system can be developed in Ghana. Organizers will provide a summary of the key points from the entire program as a general affirmation from all participants. These key points will form the basis for formulation of a national policy on development of sustainable and safe integrative healthcare in Ghana.

Time	Activity	Facilitator / Speaker
14:10 -14:15	Introduction of Moderator	Dr. Doris Kumadoh (Head, Production, CPMR)
14:15 – 14:25	Summary from Panel Discussion Session	Dr. Daniel Boamah/ Prof. Matthew Oyeyemi
14:15 – 14:25	Discussion on Next Steps	Moderator
14:45- 14:55	Affirmation from Workshop Participants	LOC
14:45- 14:55	Closing and Lunch	LOC





BRIEF PROFILE OF SPECIAL GUESTS



Hon. Dr. Kwaku Afriyie holds Bachelor of Medicine and Surgery (MB, CBH) from the University of Ghana Medical School and a Master of Public Health (MPH) earned at Tulane University in New Orleans, USA. He is a Fellow of the Ghana College of Physicians and Surgeons. His medical career saw him contribute significantly at institutions like Korle Bu Teaching Hospital, Effia Nkwanta and Bibiani Government Hospitals. During his tenure as a Health Minister (2001-2005), Dr. Kwaku Afriyie made lasting contributions. He spearheaded the implementation of the National Health Insurance Scheme, established the Ghana College of Physicians and Surgeons for Postgraduate training of Doctors, and

introduced the National Ambulance System in 2004 to enhance healthcare delivery. He was a member of the cabinet sub-committee on Cocoa Affairs (2001-2005), the National Development Planning Committee (2001-2004), and the National Aids Commission. He also chaired the Board of Directors of the Electricity Company of Ghana. He served as Western Regional Minister (2017-2019) and subsequently took on the role of Minister of State at the Office of the President in charge of State Interest and Government Authority (SIGA). Currently, Hon. Dr. Kwaku Afriyie is the Minister for Environment, Science, Technology, and Innovation (MESTI) since 2021. He also oversees the Ghana Aids Commission. Additionally, he represents the people of Sefwi Wiawso Constituency in Ghana's Parliament during the Seventh and Eighth Parliament (2017-2021 and 2021-2025).



Prof. Francis Chisaka Kasolo holds MBChB-Medicine/ Surgery from the University of Zambia, Master's Degree Public Health and, PhD- Clinical Virology from the London School of Hygiene and Tropical Medicine and a Diploma in Tropical Medicine from the Royal College of Physician-England. He is also a Fellow of the Royal College of Physicians- Edinburgh and Fellow College of Physicians for East, Central and Southern Africa. He is the World Health Organization Representative for Ghana. He is an infectious disease physician/public health expert with specialization in clinical virology. He has worked with WHO in various capacities for the past 19 years. Prof Kasolo also previously served as Director for Ebola

Preparedness with the United Nations Mission on Emergency Ebola Response (UNMEER) in Accra, Ghana in 2014 and Director for Disease Prevention and Control at the WHO Regional Office for Africa from 2011 to 2014. He has had over 35 years of experience in public health and program management at both national and international levels having worked in areas such as global health, immunization, HIV/AIDs, emergencies and outbreaks and clinical virology.





Mr. Thomas Boateng Appiagyei holds BPharm (Pharmacy) from KNUST and he is a Fellow of Ghana College of Pharmacists and the Pharmaceutical Society of Ghana (PSGH). He has been the Chairman of the governing Board of the Centre for Plant Medicine Research since 2019. Under his leadership of the Board, the Centre has made great progress including the expansion of the Clinic and increase in production output. Mr. Appiagyei has served in

many capacities at the PSGH rising to the high position of president from 2015 to 2017. He is the Director and Pharmacist at Rock Chemists and he is the Executive Chairman of Rockville Place, Kumasi. Mr. Appiagyei has attended many local and international conferences on pharmacy and drugs.

Prof. Alex Asase holds a PhD in Botany from the University of Ghana, and has research interest in plant medicine and biodiversity science. He is currently the Executive Director of the Centre for Plant Medicine Research, and Professor at the Department of Plant and Environment Science, University of Ghana. He also holds an Adjunct Researcher position at the Biodiversity Institute in the University of Kansas. He was previously an academic visitor at the Royal Botanic Gardens. Kew and the



Centre for Agri-Environmental Research (CAER) at University of Reading in the United Kingdom. He was a recipient of the UNESCO Man and Biosphere Young Scientist Award in 2010. Prof. Asase has served on various national and international committees and boards. He is currently a member of the Food and Drugs Authority (FDA)-Ghana Board and Traditional Medicine Practice Council (TMPC). Prof Asase has published extensively, and he is on the editorial board of several scientific journals.

Nana Kobina Nketsia V is known in private life as Dr. Kojo Baffoe Maison. Dr. Maison holds BA (Modern History) from the University of Ghana and PhD (History) from the University of Calabar in Nigeria. He was enstooled on 15th October, 1996 as the Paramount Chief (Omanhen) of the Essikado (British Sekondi) Traditional Area in the Western Region of Ghana and President of the Traditional Council. Nana Kobina Nketsia V is a University lecturer and his areas of special interests and research are Pan-Africanism, African Culture and Religion, Governance, Law and Philosophy. Nana authored the book titled "African Culture in Governance and



Development: The Ghana Paradigm" published by Ghana University Press, Nana has served and continues to serve on many national and international committees and boards including; Commissioner of Public Utilities and Regulatory Commission (PURC), Chair of Advisory Committee of Care International (Ghana); Chair of Ghana Museums and Monuments Board; Chair of Ghana Broadcasting Corporation, Chair of Kwame Nkrumah Mausoleum Governing Board; Chair of Water Aid (Ghana); Member of Western Region House of Chiefs (Ghana); Member of National House of Chiefs (Ghana); National Patron ATUU Festival; Director of Pan African Festival (Panafest) Foundation; and Chair of African Regional Conference on Education for Cultural Heritage Development by UNESCO. Nana Kobina Nketsia V is known in private life as Dr. Kojo Baffoe Maison. Dr. Maison holds BA (Modern History) from the University of Ghana and PhD (History) from the University of Calabar in Nigeria. He was enstooled on 15th October, 1996 as the Paramount Chief (Omanhen) of the Essikado (British Sekondi) Traditional Area in the Western Region of Ghana and President of the Traditional Council. Nana Kobina Nketsia V is a University lecturer and his areas of special interests and research are Pan-Africanism. African Culture and Religion, Governance, Law and Philosophy, Nana authored the book titled "African Culture in Governance and Development: The Ghana Paradigm" published by Ghana University Press. Nana has served and continues to serve on many national and international committees and boards including; Commissioner of Public Utilities and Regulatory Commission (PURC), Chair of Advisory Committee of Care International (Ghana); Chair of Ghana Museums and Monuments Board; Chair of Ghana Broadcasting Corporation, Chair of Kwame Nkrumah Mausoleum Governing Board; Chair of Water Aid (Ghana); Member of Western Region House of Chiefs (Ghana); Member of National House of Chiefs (Ghana); National Patron ATUU Festival; Director of Pan African Festival (Panafest) Foundation; and Chair of African Regional Conference on Education for Cultural Heritage Development by UNESCO.

Prof. Samuel Ato Duncan is a distinguished and accomplished individual with a track record of excellence in the fields of research, with emphasis on plant medicine, medical and health science, and global peace. He is the President General of the Center of Awareness Global Peace Mission (COA GPM), a non-governmental organization which seeks to address issues confronting peace. Prof. Duncan is also the Founder and CEO of COA Research and Manufacturing Company Limited, a



company that specializes in the research and production of plant medicines. He is President of the Ghana Federation of Traditional Medicine Practitioner's Associations (GHAFTRAM), an umbrella body of traditional medicine practitioners, and he is also the President of the Ghana Coalition of NGOs in Malaria. He has received several honorary awards including two professorial awards from the Alfred Nobel University in Ukraine and the Academic Union in Oxford, UK. Additionally, he is a fellow of the Chartered Institute of Peace and Governance in Texas, USA, and a member of the academic council of the Alfred Nobel University.

H.E. Wamkele Mene holds B.A Law degree from the Rhodes University and an M.A. in International Studies and Diplomacy from the School of Oriental & African Studies as well as an LL.M in Banking Law and Financial Regulation from the London School of Economics and Political Science. He is the Secretary-General of the African Continental Free Trade Area (AfCFTA) Secretariat. He was elected in February 2020 as the first Secretary-General of the African Continental Free Trade Area Secretariat.



Prior to his appointment as the Secretary-General of the African Continental Free Trade Area (AfCFTA) Secretariat he was the Head of Mission to the World Trade Organisation for South Africa and the Chief Director for Africa Economic Relations in South Africa's Department of Trade and Industry and South Africa's lead negotiator in the African Continental Free Trade Agreement.



Hon. Tina Gifty Naa Ayele Mensah holds a bachelor's degree in Public Administration and a Masters's in International Relations and Diplomacy from the Ghana Institute of Management and Public Administration. She is a politician and a member of parliament for the Weija-Gbawe constituency. She is a member of the New Patriotic Party and was appointed into office as deputy Health Minister Nana Addo on 15 March 2017. She



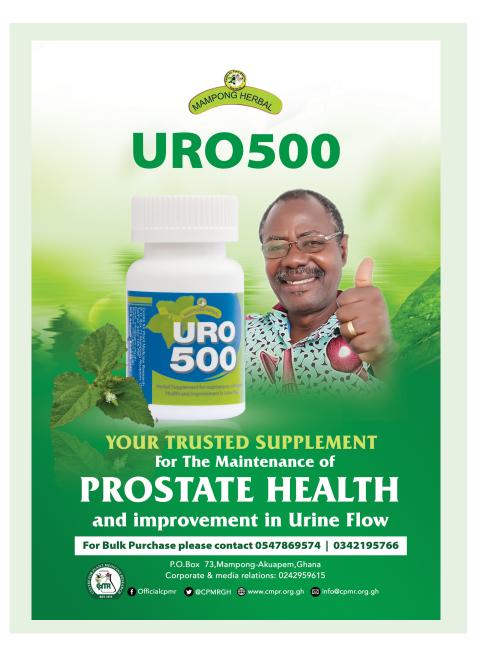
was the Managing Director of Gemens Company Limited, in Mamprobi, Accra. She was awarded in 2017 for outstanding leadership by Ghana- Nigeria Organization.

Dr. Titus Beyuo holds BSc (Medicine and Surgery) and MPhil (Pharmacology) from the University of Ghana and PhD in clinical epidemiology from the University of Utrecht, the Netherlands. He is an alumnus of NIH/Fogarty Global Health Fellowship program with the Vanderbilt, Emory, Cornell, and Duke (VECD) universities consortium in the USA. He is a Fellow of both the West African College of Surgeons and the Ghana College of Physicians and Surgeons. Dr. Beyuo is a Senior lecturer in the Department of Obstetrics and Gynaecology, and Medical Pharmacology, University of Ghana Medical School. He is also a Consultant Obstetrician /



Gynaecologist at the Korle Bu Teaching Hospital. His research focus is in improving care outcomes for medical complications of pregnancy such as hypertensive disorders, sickle cell disease and diabetes. He is a clinical trialist with interest in medicines use in pregnancy. His research work has received grants support from organizations like the Bill and Melinda Gates Foundation, the NIH, the European Union, University of Michigan, the Korle Bu Teaching Hospital and the University of Ghana. Dr. Beyuo is the former General Secretary of Ghana Medical Association and the Parliamentary Candidate for the National Democratic Congress (NDC) in the Lambussie Constituency, Upper West Region.







BRIEF PROFILE OF MODERATORS

Prof. Gilbert Motlalepula Matsabisa holds a PhD in Pharmacology (UCT) with research interests in the pharmacology of traditional medicines and medicinal plants, leading many collaborative research projects internationally. He is currently the Director of the Indigenous Knowledge Systems (Health) Lead Programme at the University of the Free State, South Africa. Professor Matsabisa is also a Guest Professor at the Beijing University of Chinese Medicines, China. He has served as a chair, vice-chair and member of many committees and councils related to herbal and



traditional medicines across many organizations, including the South African Health Products Regulatory Authority, World Health Organization and World Intellectual Property Organization. Prof. Matsabisa is the Director of the African Medicines Innovation and Technology Development Platform at the University of the Free State. He has published many scientific papers on natural products research and holds numerous patents. He is a reviewer and editorial board member for many scientific journals.

Prof. Matthew Oyeyemi obtained the Doctor of Veterinary medicine (DVM) in 1990 from the University of Ibadan. He is a holder of Masters in Veterinary Public Health (MVPH) degree which he obtained in 1992. He also obtained PhD in Theriogenology from University of Ibadan in the year 2002. Prof. Oyeyemi was the acting Head of Department Veterinary Surgery and Reproduction (2007-2009), Faculty Representative on Senate Curriculum Committee (2007-2011), member of Senate of University of Ibadan from 2006 till date. He was the Head of Department of Veterinary Surgery and Reproduction (2011-2013) and elected Dean, faculty of



Veterinary Medicine for two years 2013-2015 and was awarded the prestigious Fellowship of the College Veterinary Surgeons Nigeria (FCVSN, 2013).



Dr. Daniel Boamah graduated in 2012 with PhD degree in Infection Research from the Nagasaki University, Nagasaki, Japan. He is a Principal Research Scientist of the CPMR and was appointed as the Deputy Executive Director in 2022. Prior to this PhD studies, he worked at the Noguchi Memorial Institute for Medical Research (NMIMR), University of Ghana, Legon from 2000 – 2008 where he acquired significant experience in research and other areas. His research areas cover proteomics; Neglected Tropical Diseases (NTDs) (schistosomiasis, trypanosomiasis, leishmaniasis, toxoplasmosis,



anti-snake sera); malaria; parasite immunology; etiology and control of resistant bacterial (Staphylococcus, Klebsiella and Salmonella); virology; development of accurate, field applicable and non-invasive diagnostic tools; non-communicable diseases including cancers; and medicinal plant drug discovery. He has held several important positions, undertaken several research projects with funding and has received a number of awards and honours.



Dr Alfred Ampomah Appiah holds a BPharm (Pharmacy) from the Kwame Nkrumah University of Science and Technology, Kumasi; and MPhil and PhD in Chemistry from the University of Ghana, Legon. Dr. Appiah is the immediate past Deputy Executive Director of the Centre and has been with the Centre since October 1991. Prior to his appointment as Deputy Executive Director, he was head of Production where he helped to transform Centre's products into pharmaceutical dosage forms from the previous traditional dosage forms. He also served as head of Phytochemistry and acted several years as head of Plant Development Department. Dr

Appiah is a member of the Pharmaceutical Society of Ghana, Ghana Science Association and the Western Africa Network of Natural Product Research Scientists





BRIEF PROFILE OF GUEST SPEAKERS

Dr. Sarika Chaturvedi graduated in Ayurvedic medicine and took to health systems management for her masters. She trained at the Karolinska Institutet, Sweden for her PhD in Public Health. Her interest areas are integrative health, quality of care, women's and children's health, traditional health practices and public health policy. She is currently a Scientist at Dr D Y Patil University, Pune, India exploring Ayurveda and yoga based traditional practices for their preventive and promotive potential. Dr. Chatuevedi is an evaluator for health and development programmes by the Government of India and UN agencies. She is a Commission



fellow for the Lancet Citizen's Commission for Reimagining India's health system.



Dr. Mrs. Maryam Karga-Hinds holds a BSc (Pharmaceutical Sciences) from Ahmadu Bello University, Nigeria; MSc from Chelsea College, University of London; PhD in Pharmacology from Kings College, University of London and an MBA in Public Sector Management from the University of the West Indies. She has been the Director of the Barbados Drug Service since June 1st 1996. Prior to that, she was the Chief Pharmacist at the Queen Elizabeth Hospital in Barbados from 1994 to 1996. She is very passionate about the use

of Medicinal plants and Pharmacovigilance (monitoring of drug safety) and wants to see Barbados develop an adverse drug reaction reporting culture both in the primary and tertiary settings. She is also passionate about patient centred healthcare.



Prof. Georg Seifert is a senior physician in paediatric oncology and holds Europe's first professorship for integrative medicine in paediatrics at the Charité – Universitätsmedizin Berlin, Germany and at the University of São Paulo, Brazil (Visiting Professor), where he researches Brazilian naturopathy and traditional medicine. Prof. Seifert is currently heading a project to establish a centre at Charité that aims to translate experience-based traditional and integrative medicine into evidence-informed medicine based on scientific data — seeking to broaden the options for individual health promotion, prevention and therapy in society,



with particular emphases on children and adolescents, mind-body medicine, nutrition and whole medical systems. Of particular interest is the use of Traditional, Complementary and Integrative Medicine for innovative and sustainable health care delivery in modern health systems and the crosstalk between TCIM and these health systems.



Dr. Kofi Busia obtained BSc and PhD (Chemistry) both from Birkbeck, University of London; Queen Mary, University of London; Middlesex, UK. He is the immediate Past Director of Healthcare Services and Project Manager of the USAID-sponsored Leadership Capacity Strengthening (CAPS) project, at the West African Health Organisation (WAHO), as well as the coordinator of the institution's Royal Netherlands funded Sexual and Reproductive Health of Adolescents and Young People project; Johns Hopkins University-led

Countdown to 2030 Project. He currently lectures Chemistry at the Department of Chemistry, University of Ghana and he is the Editor-In-Chief, Journal of Herbal Medicine. He is a passionate believer in rational alternative medicine practice for primary health care, and the centrality of chemistry in disease causation and treatment. Dr. Busia was decorated by the Government of Burkina Faso with the title: "Chevallier de l'Ordre National du Burkina Faso" (Knight of the National Order of Burkina Faso).



Prof. Nceba Ggaleni studied biochemistry at the former University of Natal before earning his doctorate in 1996 at the University of Strathclyde in Scotland. He is a National Research Foundation-rated researcher who is immunology, passionate about infectious non-infectious diseases, and traditional medicine. He was appointed by the Minister of Health to the Interim Traditional Health Practitioners Council of South Africa. In 2007, he was named Chair of Indigenous Health Care Systems Research, a prestigious programme supported by the Department of Science and Technology and managed by the National Research Foundation. Prof Ggaleni has also served as Director of the Doris Duke Medical Research Institute, Deputy Dean, and Director of the Centre for Occupational and Environmental Health at UKZN. He has served on numerous national and international bodies, including the Presidential Task



Team on African Traditional Medicine, the IKS Bioprospecting and Product Development Platform of the Department of Science and Technology, the KwaZulu-Natal Provincial Council on AIDS, and the WHO (African Regional Office) expert committee on Traditional Medicine. He is currently a member of the task force drafting South Africa's Policy on African Traditional Medicine, the Project Co-ordinator of the KwaZulu-Natal IK-Based Healthy Lifestyle Strategy to Combat COVID-19 and Beyond, and a member of the WHO Regional Expert Committee on Traditional Medicine for COVID-19.



Prof. Alfred Apau Oteng-Yeboah started his university teaching career in 1973 in the University of Ghana, after completing his PhD at the University of Edinburgh, Scotland in 1972. He contributed to the development of the 2016 to 2030 Sustainable Development Goals (SDGs), and has published extensively on the Environment and Biodiversity for both local and international audiences. His outstanding contribution to international conservation was publicly recognized in 2020, when he received the John C. Phillips Memorial Medal, IUCN's highest conservation award. He has chaired many high profile local and international

meetings, boards and organizations, including the Subsidiary Body on Science, Technical and Technological Advice to the UN Convention on Biological Diversity (2000 to 2004), Standing Committee of the UN CITES (2005 to 2008), Council of the Global Environment Facility (2004 to 2010), and Standing Committee of the UN Convention on Migratory Species (2009 to 2011). He is also a founding bureau member and a former Vice-Chair of Intergovernmental science policy Platform for Biodiversity and Ecosystem Services (IPBES), representing Africa.





Dr. Kamarudeen Korku Hussein graduated from Marmara University of Medical School in Turkey in 1995 and completed House-Manship in Korle-Bu teaching hospital in 1996. He had a Master's degree in International Health from the Copenhagen University, Denmark in 2005. He practised as Medical Officer in charge of various facilities in districts of Ashanti region and he is currently the Medical Superintendent of Manhvia District Hospital in Kumasi. He is a Family Physician Specialist by practice and currently the Président of the Medical Superintendents' Group of Ghana. He was a member of the team put together by the Ministry of Health this year to attend a 5-day Scientific Congress of Traditional Medicine Practitioners and Conventional Medicine Practitioners which also included a program aimed at developing a University Curriculum for Herbal Medicine Training in the entire ECOWAS Sub-Region.

ASP/DR. EDITH KORKOR TETTEH – CHARWAY holds a Bachelor of Science Degree in Herbal Medicine from the Kwame Nkrumah University of Science and Technology, Kumasi; an MBA (Health Service Management) from University of Ghana, Legon and a Post Graduate Diploma in Security Studies from the University of Cape Coast, Cape Coast. She is a Senior Police Officer and a Medical Herbalist by profession. She has practiced herbal medicine for seventeen (17) years. She previously worked with the Ghana Health Service where she headed the Herbal Medicine Unit at the Shai- Osudoku District Hospital, Dodowa. Currently she heads the unit



at the Ghana Police Hospital, Cantonments. She has authored four (4) books. Her hobbies are reading, writing and listening to music.



Dr. Albert Nana Arthur is chiropractor by profession. He is also a nutritional counselor. He is the President of the Ghana Alternative Medical Practitioners Association (GAMPA). He is a board member of the Traditional Medicine Practice Council (TMPC) and the Chairman of the Registration Committee of TMPC.





Dr. Samuel Kow Donkoh holds a Bachelor of Pharmacy (Hons) from KNUST, an Executive Masters in Business Administration (EMBA) from University of Ghana, Business School and a Doctor of Pharmacy (PharmD) from the University of Ghana School of Pharmacy. He is the President of the Pharmaceutical Society of Ghana (PSGH) and the Chief Executive Officer and Chairman of Cedar Point Chemist Limited. He served as an Executive Member of PSGH from 2011 to 2015 and served on several committees of PSGH and outside the PSGH. He was instrumental in the implementation of PSGH CPD transformation leading to CPD programmes being organized as part of AGMs of PSGH and CPD

accreditation by Pharmacy Council (PSGH). He was also very nstrumental in championing VAT exemption for imported medicines (in PIWA and GNCOP) and the initiation of PSGH guidelines for pharmacists' renumeration in the private sector among others. He is a member of the Council of the International Pharmaceutical Federation (FIP). He is also a member of the Governing Board of the Pharmacy Council of Ghana as well as the Ghana College of Pharmacists.



Dr. Delese Mimi Darko holds a Doctorate Degree in Pharmacology and a Bachelor of Pharmacy from the Kwame Nkrumah University of Science and Technology (KNUST), and a master's in business administration from the University of Northampton.With her over 32-years of experience, she rose through the ranks at the Food and Drugs Authority (FDA) to become the first female Chief Executive Officer in 2017. Dr. Darko was instrumental in designating the FDA as a Regional Center of Regulatory Excellence, and the establishment and implementation of the food Safety Policy and Food emergency response plan in Ghana. Under her leadership, the FDA has introduced many innovations including the progressive licensing scheme, in

collaboration with the Ghana Enterprise Agency (GEA). She chairs the WHO African Vaccines Regulatory Forum (AVAREF) Steering Committee and serves on several international and local advisory committees and bodies. Her exemplary and commendable work has earned her several awards. Notable amongst them are: Outstanding Female Leadership Award under Ghana Pharma Awards 2023, the President of Ghana's Order of the Volta Companion Award 2023, Best CEO of the year under the Ghana Medical Laboratory Excellence Award 2022, the Public Sector Chief Executive Officer Award under the African Public Sector Awards in 2022, the 2019 Glitz Africa's Award for Ghana Women of the Year Honours (Excellence in Health), and Ghana Business Standard Awards for the Female Business Leader of the Year in 2019.



Mr. Louis Yaw Afful is the Executive Director of APN an International Trade Practitioner and African continental Free Trade Area Governmental Organization established to lead the private sector initiative on the Sensitization, Advocacy, Research, investment and capacity building on the implementation of the Afcfta. Mr. Afful had been part of the consultative experts who participated in the workings on the Cfta, now the African continental free trade. He was the Finance Manager of a large multi - million-dollar Retail company E.S.L who transformed the revenue base of the firm. Former country director of MIP UK, Ghana office, an international management exchange program. CEO of



Commodity and trade policy firm LOBI Enterprise, Accra. He has advocated extensively on women and youth in Ghana and Africa. Former district and deputy regional coordinator of the Women and Children Ministry of the Republic of Ghana. Louis serves on the National Technical Working Committee On AFCFTA of Ghana's Ministry of Trade and Industry . He serves on the Ghana chamber of SMES Board, SEEDS Dubai, a Multinational Educational firm, Global Chamber of Commerce.



Dr. Ohene Kwabena Safo holds MBChB-Medicine/ Surgery from University of Ghana Medical School and currently undergoing a residency program at the Ghana College of Physicians and Surgeons. He has a certificate in Leadership and Management in Health and Global Health Research, University of Washington. He is currently taking an MBA program in Total Quality Management at UPSA, Accra and he is also a Lean Six Sigma Black Belt trainee in Quality Management with the American Society of Quality. Dr. Safo is the General Manager, Kantanka Herbal Pharmaceuticals and Research Centre and the Head of Health Team,

Kantanka Group of Companies. He is the founder and CEO of OKS Herbal and Wellness Hospital and the Vice President, Private Health Facilities Association of Ghana. Greater Accra.



Dr. Paul Owusu Donkor holds BPharm from KNUST and PhD (Pharmacognosy) from Tianjin University of Traditional Chinese Medicine, Tianjin, China. He is a Pharmacist, Senior Lecturer, and a leading researcher at the University of Ghana School of Pharmacy. He holds the position of Head of Department for Pharmacognosy and Herbal Medicine. Dr. Donkor's research is primarily centered around the isolation and characterization of bioactive compounds sourced from medicinal plants. He employs advanced chromatographic and spectroscopic techniques to delve into the properties of these molecules. A noteworthy aspect of his research is his dedication to advancing the integration of herbal



medicines into modern dosage forms, thereby bridging traditional practices with contemporary medical approaches. Dr. Donkor is a multi-faceted individual who significantly influences the fields of pharmacy, research, and the promotion of herbal medicines.



Ms. Sadika Boateng holds HND (Civil Engineering) from Accra Technical University and currently studying for her BCom (Management) at University of Cape Coast, College of Distance Education. She has been the MD of Chocho Industries and Company Ltd since 2021. Since assuming the position, she has rapidly expanded and strengthened the various units of the company especially the clinical services, research and development and cultivation of medicinal plants to feed the production unit of the company. Prior to assuming the position of MD, she was the production manager of the company where she oversaw

production and quality assurance of the company. She also served as head of collaboration and partnerships where she developed successful and healthy partnerships between the company and major stakeholders in Ghana and abroad including the Ghana Standards Authority, Food and Drugs Authority and the Centre for Plant Medicine Research.



Dr. Kofi Donkor holds BSc (Biochemistry) from University of Ghana and PhD (Pharmacology) from KNUST, Kumasi. He is a senior research scientist at the Centre for Plant Medicine Research (CPMR), Mampong-Akuapem. His research interests are drug development, biochemical toxicology, immunopharmacology and ethnopharmacology. Dr. Donkor is presently the head of the Coordinating Office for Research and Innovation of the CPMR where he leads the Research, Development, Commercialization and Innovation initiatives of the Institute. He also leads the CPMR's institutional grant efforts where he has helped the Institute to win grants from several funding agencies including the WHO, COVID-19 National Trust Fund and GSDF. Prior to his appointment as head of Research and Innovation, he was head of Department of Scientific Information where he led the digitization



efforts of the Institute to transform most of the Centre's services from manual into an electronic one including the development of tailor-made software. He is an exceptional organizer and fundraiser having served as the Chair of the annual Oku Ampofo Memorial Symposium now Centre's Oku Ampofo Memorial (COAM) Conference since 2016. Dr. Donkor believes in non-pharmacological interventions and works closely with traditional medicine practitioners and served as the chair of the technical committee of GHAFTRAM. As a result of his close working relationship with WHO-Afro, he was an invited guest to the first WHO Traditional Medicine Global Summit in India in August, 2023.



Mr. Louis Narku Nortey is a trained pharmacist from the Kwame Nkrumah University of Science & Technology (KNUST) and Executive Masters in Business Administration (EMBA) and Certificate in Health Economics & Outcomes Research were also acquired at the Ghana Institute of Management & Public Administration (GIMPA) and the University of Washington respectively to facilitate future work. He is a fellow of the West Africa Postgraduate College of Pharmacists (WAPCP) and the Ghana College of the Ghana JET Program which is the foremost industrialization and economic diversification program of the government and sponsored by the Foreign &

Commonwealth Development Office (FCDO) of the UK. In this position, he championed the development of the Ghana Pharmaceutical Manufacturing Policy as part of the sector specific policies for the Ministry of Trade & industry of which Herbal Manufacture is an integral part. Mr. Nortey has worked at United Nations Industrial Development Organization (UNIDO) as the National Pharmaceutical Strategy Consultant for Ghana on the project "Strengthening Pharmaceutical Manufacturing in less Developed Countries" which comprise Ghana, Kenya, Malawi and Myanmar.







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CENTRE FOR PLANT MEDICINE RESEARCH



The Centre for Plant Medicine Research (CPMR), Mampong-Akuapem was established in 1975 by the government of Ghana, inspired by the vision of Dr. Oku Ampofo, a medical practitioner, artist, and pan-Africanist. Initially known as Obikyere, it began as a small outpatient department managed by Dr. Oku Ampofo. CPMR is an agency under the Ministry of Health, established by the Specialist Health Training and Plant Medicine Research Act of 2011 (Act 833) for the purposes of research into plant medicine for the promotion, encouragement, extension, transfer and application of scientific research knowledge and development in the field of plant medicine.



CPMR's vision is to make herbal medicine a natural choice for all.



The Centre's mission is to gain the highest recognition for its research and development of herbal products that meet the exacting needs of patients and industry. This is achieved through innovative scientific research and productive partnerships.



The core values of the Centre have been thoughtfully formulated to mirror its fundamental principles and the way it manifests its attitudes and ambitions.

Innovation: We consistently strive for excellence and quality in all our endeavours. We aim to deliver solutions that exceed the expectations of our stakeholders. We maintain the highest standards in research, development, and innovation, investing in the continuous growth of our people, processes, and business practices.

Compassion: Our business revolves around improving people's lives, including our employees and business partners. We deeply care about individuals, respecting their diversity and upholding their dignity. Continuous personal development is



encouraged, and we treat stakeholders the way we would like to be treated.

Integrity: We act with honesty and fairness in our interactions with one another and our business partners. We recognize the trust placed in us by colleagues and stakeholders and commit to ethical decision-making, delivery, and governance.

Partnership: We actively seek to learn from one another and collaborate within the organization and with external partners to innovate a better future for Ghanaians. Knowledge and expertise are openly shared, contributing to large-scale impact.

Sustainability: Our focus is on developing technologies that promote the sustainability of Ghanaian enterprises and the financial sustainability of the organization

within resource-constrained conditions.

Impact: We emphasize the commercialization of our technologies and innovations for industrial development, as well as the transfer of technology and knowledge to empower the state.



Assessment of Herbal Products:

The Centre conducts a comprehensive assessment of the quality, safety, and efficacy of herbal products for herbal manufacturers and herbalists. This involves rigorous testing and analysis to ensure that these products meet the highest standards, facilitating the production of safe and effective herbal remedies.

Clinical services:

The Centre operates a modern clinic offering clinical consultations, diagnostic (laboratory), imaging (ultrasonography), diet therapy services, and a dispensary stocked with products developed and produced at the Centre.

Formulation and Production of Herbal Extracts:

Through cutting-edge research and production techniques the Centre develops and produces high-quality herbal extracts on commercial basis for industry players.

Cultivation and Sale of Medicinal Plant Seedlings:

The Centre cultivates and sells medicinal plant seedlings to out growers and herbal



medicines enthusiasts. This initiative promotes sustainable farming practices, ensuring a steady supply of medicinal plants and herbs to the herbal industry.

Production, Distribution, and Retail of Herbal Products:

The Centre is involved in the complete cycle of research and development, production, distribution, and retail of up to thirty-seven herbal products, not only to the Ghanaian market but beyond the shores of Ghana

Practical Attachment and Training for Tertiary Students:

The Centre provides valuable practical attachment opportunities and training for tertiary students, allowing them to gain hands-on experience in herbal product development, quality control, and various aspects of the herbal industry. The Centre also offers practical clinical training to students of medical herbal science degree course from KNUST as part of their training program.

Training Program for Producers and Practitioners of Herbal Medicine:

The Centre organizes training programs/workshops to empower herbalists and herbal medicine producers with knowledge and skills related to sustainable harvesting, processing, production and preservation of herbal products. Producers are trained on Good Manufacturing Practices. The course also includes practical clinical training for practitioners. This helps herbalists optimize their practices and contribute to the conservation of medicinal plant resources.





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GHANA FEDERATION OF TRADITIONAL MEDICINE PRACTITIONERS ASSOCIATIONS



Ghana Federation of Traditional Medicine Practitioners Associations (GHAFTRAM) is the umbrella body of individuals and groups/associations of traditional medicine practitioners in Ghana established in 1999. In 2008, the Ministry of Health recognized GHAFTRAM as a representative body of traditional medicine practitioners in Ghana. By virtue of this recognition, GHAFTRAM is represented on several governing boards of agencies under the Ministry of Health including the Centre for Plant Medicine Research, Food and Drugs Authority and Traditional Medicine Practice Council. GHAFTRAM has more than 40,600 members across the country with offices in every regional capital and some districts.



To continuously improve the delivery, accessibility and quality of traditional health services to all persons in Ghana and to attain international standards.



To serve as a body which brings all Traditional Medicine Practitioners in Ghana under one umbrella to enhance traditional healthcare delivery and preserve our natural vegetation.



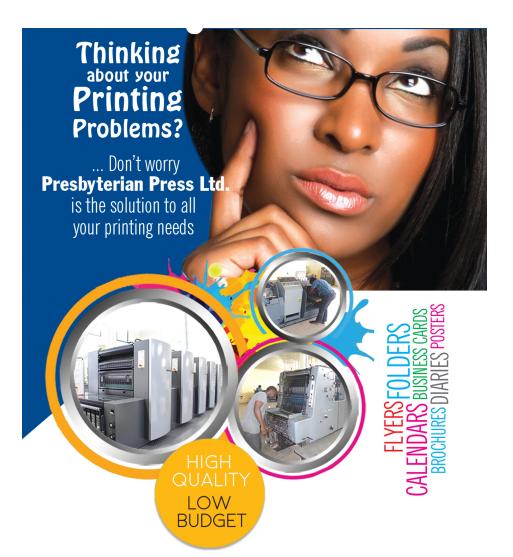
- \blacksquare As an umbrella organisation, it will serve as a mouth piece of all traditional medicine practitioners in Ghana
- To improve the mode of practice of traditional medicine by the adoption of appropriate codes of conduct and practice and help in the promulgation of regulations
- To liaise, collaborate, co-operate and establish good terms with the scientific community, Ministry of Health and related institutions.
- To conduct research, document traditional medicine knowledge and practices and to promote good relationship among traditional medicine practitioners.
- To encourage and promote the commercialisation of safe, effective and proven herbal preparations.



- To set up a system of monitoring and evaluating Traditional medicine Practice in the country.
- To mobilise financial and material resources for the development of traditional medicine practice in Ghana.
- To establish or help establish a sustainable programme for a pre-service and in service training of traditional medicine practitioners in the country.
- To initiate a sustainable environmental protection programme to prevent the depletion of medicinal plants and other natural resources.
- To collaborate with the government and non-governmental agencies and private institutions in the development of health services in Ghana.



- 1. Advocated for the enactment of ACT 575 (2000).
- **2.** Lobbied for the integration of Herbal medicine into mainstream Healthcare in Ghana and the compilation of Essential Herbal Medicine List.
- **3.** Advocated for the formation of the Traditional Medicine Practice Council (TMPC) in April 2010.
- **4.** First National Training workshop for Herbalist organized in 2011
- **5.** Second National Training workshop for Herbalist at KNUST, July 2012 (Funded by West African Health Organisation (WAHO)
- **6.** Signing of MoU with the Department of Biomedical and Forensic Studies at the University of Cape coast (UCC) to start diploma training in Herbal Medicine, 2013.
- **7.** Signing of MoU with the GreenHills School of Health Sciences to start a certificate training in Herbal Nursing and Physiotherapy, 2014
- **8.** Acquired a National Secretariat funded by the West African Health Organisation (WAHO) in 2014
- **9.** Training of a national taskforce in collaboration with and funded by Traditional Medicine Practice Council (TMPC)





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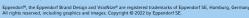
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