



Tuesday 5<sup>th</sup> November 2019

12:00	<b>Registration and Lunch</b>
13:00	<b>Opening Ceremony</b> - Chair: <b>Yonas Chebude</b> , PACN Chair, Addis Ababa, Ethiopia - <b>Peter Blenkiron</b> , PACN Board Member, R&D VP, Bayer Consumer HealthCare, France
13:30	<b>Conference photograph for all delegates</b>
	<b>Session 1: Natural Products</b> Chair: Peter Blenkiron, Bayer Consumer Healthcare, France
14:00	<b>Chemical and biological aspects of amazing dozen natural products from Ethiopia</b> Ermias Dagne Addis Ababa University, Ethiopia
14:30	<b>Cytotoxic Diterpenoids from Croton haumanianus (Euphorbiaceae) J. Léonard</b> Mohammed Isyaka Natural Products Research Group, Faculty of Engineering, Nigeria
14:50	<b>Cytotoxic flavonoids from two Lonchocarpus species</b> Fozia Ali Adem University of Nairobi, Kenya
15:10	<b>Afternoon refreshment break</b>
15:40	<b>The Kenyan higher plant diversity- a source of anti-parasitic compounds for neglected tropical diseases</b> Jacob Midiwo University of Nairobi, Kenya
16:10	<b>An <i>in silico</i> assessment of the hERG channel blocking profile of alkaloids from Voacanga Africana</b> Babiaka Smith Borakaeyabe University of Buea, Cameroon
16:30	<b>Antibacterial secondary metabolites from an endophytic fungus, Fusarium solani JK10</b> James Oppong-Kyekyeku Kwame Nkrumah University of Science and Technology, Ghana
16:40	<b>Podophyllotoxin type anticancer compounds from Commiphora</b> Mesfin Tadesse Addis Ababa University, Ethiopia
16:50	<b>Anitprotozoal agents from <i>piliostigma thonningii</i>, medicinal plant grown in Nigeria</b> Michael Afolayan University of Lagos, Nigeria
17:00	<b>Panel Discussion-</b> all speakers from this session
17:30	<b>End of session</b>



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	<b>Session 1 continued: Natural products</b> <b>Chair:</b> Jacob Midiwo, University of Nairobi, Kenya
9:00	<b>Red hot compounds from the red hot poker plant, Kniphofia, and related taxa</b> Abiy Yenesew <i>University of Nairobi, Kenya</i>
9:30	<b>Cytotoxicity of plumbagin, rapanone and 12 other naturally occurring quinones from Kenyan Flora towards human carcinoma cells</b> Leonidah Omosa <i>University of Nairobi, Kenya</i>
9:50	<b>Natural products research as spring board for effective herbal remedies: Gedunin chemistry and anticancer Edion<sup>®</sup> as models</b> Joseph Okogun <i>University of Ibadan, Nigeria</i>
10:10	<b>Morning refreshments</b>
10:40	<b>Computational chemistry to complement experimental research of natural products</b> Ponnadurai Ramasami <i>University of Mauritius, Mauritius</i>
11:10	<b>Anti-vancomycin-resistant enterococcus faecium and E. faecalis activities of (-)-gossypol and derivatives from <i>Thespesia garckeana</i></b> Veronica Masila <i>University of Nairobi, Kenya</i>
11:20	<b>Effects of combining cancer drugs with compounds isolated from Combretaceae species on the viability of human leukemic cells</b> Simbarashe Sithole <i>University of Zimbabwe, Zimbabwe</i>
11:30	<b>Search for inhibitors and modulators of epigenetic targets for the treatment of <i>Schistosoma mansoni</i> from a collection of african natural products</b> Conrad Veranso Simoben <i>Martin Luther University, Germany &amp; University of Buea, Cameroon</i>
11:40	<b>Panel Discussion-</b> all speakers from this session
12:15	<b>Lunch and poster session</b>
	<b>Session 2: Biomaterials and raw materials</b> <b>Chair:</b> Peter Blenkiron, Bayer Consumer Healthcare, France
14:00	<b>Sustainable use of Africa's natural products and materials</b> Yonas Chebude <i>Addis Ababa University, Ethiopia</i>
14:30	<b>Defluoridation and removal of pathogens from groundwater by a hybrid biopolymeric nanocomposite: a green technology concept</b> Wasiu Babatunde Ayinde <i>University of Venda, South Africa</i>
14:50	<b>Nigerian calcined clay-based geopolymers: early, current and future</b> Mary Ogundiran <i>University of Ibadan, Nigeria</i>



15:10	<b>Afternoon refreshments</b>
15:40	<b>Structural and mechanical characterizations of biopolymers and rubber nano composites reinforced with agriculture waste</b> Elsayed Abdel Bary <i>Mansoura University, Egypt</i>
16:00	<b>Synthesis, characterization of Carboxymethyl starch from Acha (<i>Digitaria exilis</i>) and its application in detergent industry</b> Akuzuo Ofoefule <i>University of Nigeria, Nigeria</i>
16:20	<b>The potentials of Chitosan Magnetic Nanoparticles (MNPs) as new sustainable biomaterial drug delivery system</b> Sheriff Adewuyi <i>Federal University of Agric Abeokuta Nigeria, Nigeria</i>
16:30	<b>Landfill composites as a new precursor for activated carbon: characterization and adsorption capacity</b> Abdulganiyu Adelopo <i>University of Lagos, Nigeria</i>
16:40	<b>Panel Discussion</b> - all speakers from this session
17:10	<b>Close of sessions</b>
18:00	<b>Conference Dinner</b>



Thursday 7<sup>th</sup> November 2019

	<b>Session 3: Climate change and water resources</b> <b>Chair:</b> Yonas Chebude, Addis Ababa University, Ethiopia
9:00	<b>The Water-Energy-Food nexus as a lens to guide sustainable use of Africa's natural products and materials under current and future climate</b> Graham Jewitt <i>IHE Delft Institute for Water Education, Netherlands</i>
9:30	<b>Natural rubber impregnated membranes for photocatalytic degradation of textile effluent</b> Samson Oluwagbemiga Alayande <i>First Technical University, Nigeria</i>
9:50	<b>Sustainable superoleophilic/superhydrophobic sorbent for water purification in oil - contaminated niger delta region</b> Enock Dare <i>Federal University of Agriculture, Nigeria</i>
10:10	<b>Water: a forever critical resource for life</b> Shem Wandiga <i>University of Nairobi, Kenya</i>
10:40	<b>Morning refreshments</b>
11:10	<b>Titanium oxide doped nano zero valent Iron for sustainable low cost wastewater treatment</b> Kassim Badmus <i>University of The Western Cape, South Africa</i>
11:30	<b>Emerging contaminants in Nigerian water resources: levels of Bisphenol-A in rivers, well waters and sediments</b> Gideon Idowu <i>Federal University of Technology Akure, Nigeria</i>
11:40	<b>Prevalence of multidrug-resistant Escherichia Coli pathotypes in surface waters of southwestern Nigeria: climate change, health and water resources nexus</b> Osuolale Yinka Titilawo <i>Federal University, Nigeria</i>
11:50	<b>A combined anaerobic digestion and Ozonation treatment for Vinasse</b> Benton Otieno <i>Vaal University of Technology, South Africa</i>
12:00	<b>Counting the cost of climate induced disasters: the case of Ethiopia</b> Abiy Zegeye <i>University of Addis Ababa, Ethiopia</i>
12:30	<b>Panel Discussion-</b> all speakers from this session
13:00	<b>Closing Ceremony</b> <b>Yonas Chebude</b> , PACN Chair, Addis Ababa Ethiopia <b>Peter Blenkiron</b> , PACN Board Member, R&D VP, Bayer Consumer HealthCare, France
13:30	<b>LUNCH</b>

This programme is subject to change.