



AFRICAN FOOD SAFETY NETWORK (AFoSaN) - 3rd Africa Food Safety Technical Meeting/African Food Safety Workshop 2024

Your Contribution Improves Food Safety and Quality in Africa

7 -11 October 2024, Palm Plaza Hotel, Marrakech

**PROGRAMME (with simultaneous English-French-English
language interpretation)**

Scientific Programme Hosts:

**Mr James Jacob Sasanya (Joint FAO/IAEA Centre) and
Mr Nabil Abouchoaib (ONSSA, Morocco)**

MONDAY		DAY 1: Food Safety Awareness, Atoms4Food Initiative, Systems and Partnerships
08:00 – 09:00		Registration
09:00 – 09:50		Opening Session: <ul style="list-style-type: none">• A video/slideshow on selected food safety activities and impacts in Africa with support of the IAEA in collaboration with the FAO• Welcome remarks by the Government of the Kingdom of Morocco – Mr Abdallah Janati, General Director ONSSA



	<p>Remarks (including on aligning the Atoms4Food Initiative to Africa's Food Safety needs with a call for continental and partner support)</p> <ul style="list-style-type: none"> Ms Najat Mokhtar, Deputy Director General and Head of the Department of Nuclear Sciences and Applications, IAEA (Video Statement) <p>Remarks on FAO support in Morocco</p> <ul style="list-style-type: none"> Mr Jean Senahoun, FAO Country Representative, Morocco
09:50– 10:00	Questions/comments on opening session
10:00 – 10:30	BREAK, Photo session
	<p>SESSION 1: Partnership development, Resource mobilisation for Food safety and control system sustainability Chairperson: Mr Henry Njapau - Executive Director, Zambia Academy of Sciences Co-Chairperson: Ms Erica Johnston – USDA/FAS – Senior Trade Advisor</p>
10:30 – 10:55	Keynote presentation 2: Strengthening Food Safety Control (Mr James Jacob Sasanya, Joint FAO/IAEA Centre)
10:55 – 11:05	The U.S. Food Safety System, Highlighting the role of the U.S. Food and Drug Administration (Ms Angela Fields – US Food and Drug Administration, USA)
11:05 – 11:15	Comment: USDA-FDA-USAID collaboration on food safety in Africa (Ms Erica Johnston – USDA/FAS)
11:15 – 11:30	An overview of the Quality Infrastructure Landscape in West and Central Africa and the need for partnerships and collaborations to enhance food safety from the perspective of the World Food Programme (WFP) [Ms Nafi-Aïsha Diop, Head of Food Safety Assurance, WFP Regional Bureau for Western Africa]
11:30 – 12:30	<p>Panel discussion: Supporting the Atoms4Food Initiative in Africa – Food Safety, Food and Nutrition Security; Partnerships</p> <p>Panellists</p> <p>Mr James Jacob Sasanya, Joint FAO/IAEA Centre Mr Azzi Abdelghni, Morocco Mr Abdellahi Beyit, Mauritania Mr Kepher Kateu, Uganda Ms Khaoula Nasr Ep Kachroudi, Tunisia Ms Esther Hilundutah, Namibia Mr Jean Senahoun, FAO Country Representative, Morocco Ms Virginia Siebenrok, Chief, Food Safety Assurance, WFP</p> <p>Reactions from the audience; take home messages</p>
12:30 – 13:30	LUNCH BREAK & Interaction with Exhibitors
	<p>SESSION 2: Food Safety and Control Systems; the Private Sector Chairperson: Mr Daniel Apeh (Nigeria) Co-Chairperson: Ms Miriam Keikothale (Botswana)</p>
13:30 – 13:55	Keynote presentation 3: Food Safety is system-based it won't succeed any other way - A Case of Morocco's Food Safety Control System (Mr Abdelghni Azzi, Morocco)
13:55 – 14:10	Advancements in Tunisian Food Safety: A Comparative Analysis of Regulatory Frameworks and Institutional Missions (Ms Amira Anene, Tunisia)



14:10 – 14:25	Improving Food Safety and Quality for Small Scale Producers and Processors in Rural South Africa (Ms Nomusa. R. Dlamini, South Africa)
14:25 – 14:40	The Role of Safety and Security Agencies to facilitate while being strict (Mr Said Mouline, Morocco)
14:40 – 14:55	Q&A; Discussions; take home message
15:10 – 16:00	BREAK – Poster Session & Interaction with Exhibitors, Networking
16:00 – 16:20	Technological Advances and Sciex Solutions for Food Safety and Quality Testing (Mr Daniel McMillan Sr Market Development Manager, Food, Environment & Forensic, Sciex – EMEAI)
16:20 – 16:40	Technological Advances Analytik Jena Solutions for Food Safety and the Vision for Africa (Mr Pascal Molin, Regional Sales Manager, EMEA/APAC, Analytik Jena GmbH+Co. KG)
16:40 – 17:10	Enhancing Food Safety and Reducing Foodborne Illnesses through Integrated Nutritional and Safety Interventions (Mr Ayomide Ogundeji, Global Alliance for Improved Nutrition)
17:10 – 17:25	Q&A; Discussions; take home message
17:25 – 17:40	Poster Session & Interaction with Exhibitors, Networking
	Wrap up and end of day 1
TUESDAY	DAY 2: SESSION 3: Standards in Africa, Accreditation, AfCFTA, Testing Chairperson: Ms Anna-Lisa Nseu (Namibia) Co-Chairperson: Mr Elhadji M Moctar Niang (Senegal)
09:00 – 09:25	Keynote presentation 4: Strengthening Food Safety Regulations and Standards in Morocco, highlighting the Role of ONSSA (Ms Beqqali. H. Ihsane, Morocco)
09:25 – 09:40	The Role of Accreditation in Facilitating Safe Food Trade (Ms Lucy Namu, Kenya)
09:40 – 09:55	Enhancing Food Safety in Fisheries and Aquaculture in Zambia (Ms Maputa Kamuleta, Zambia)
09:55 – 10:10	Good Regulatory Practices – Linkages to the Continental Food Safety Strategy and the Free Trade Area (Ms Lucy Namu, Kenya)
10:10 – 10:30	Q&A; Discussions; take home message
10:30 – 11:00	BREAK – Poster Session & Interaction with Exhibitors, Networking
	SESSION 4: Pesticide Residues Testing and Monitoring; Associated Standards Chairperson: Mr Olufunsho Awodele (Nigeria) Co-Chairperson: Ms Doreen Osoro (Kenya)
11:00 – 11:25	Keynote presentation 5: The United States Department of Agriculture (USDA) Pesticide Monitoring Program for Foods Consumed in the United States – A Data Source for Food Safety, Developing MRLs, Dietary Risk Assessments & Trade (Mr Shanker Reddy, USDA)
11:25 – 11:40	Health Risk Assessment of Pesticide Residues through Dietary Intake of Tomato and Maize among the Ghanaian Population (Mr Paul Osei-Fosu., A. A. Ernestina., D. Aryee, Ghana)



11:40 – 11:55	Screening of Pesticides from Vegetables, Rape, Broccoli, Carrots and Peas) from Communal Farmers in Domboshawa, Zimbabwe (Ms Esther Matema, Zimbabwe)
11:55 – 12:10	Introduction to LC-MS/MS based on a workflow for Mycotoxins, Pesticides or Veterinary Drug Residues (Mr Daniel McMillan, Sciex – EMEAI)
12:10 – 12:25	Assessment of Pesticide Residues in Surface and Groundwater Sources from Tea – Growing Areas in Mulanje, Malawi (Mr Enock. A. Kamwala, Malawi)
12:25 – 12:40	Q&A; Discussions; take home message
12:40 – 13:40	LUNCH BREAK
	SESSION 5: Veterinary Drug Residue Testing and Monitoring; Associated Standards Chairperson: Ms Esther Hilundutah (Namibia) Co-Chairperson: Mr Sami Darkaoui (Morocco)
13:40 – 14:05	Keynote presentation 6: Controlling Veterinary Pharmaceuticals in Food Production and Trade - Opportunities and Challenges (Mr James Sasanya, Joint FAO/IAEA Centre)
14:05 – 14:20	Assessment of Seasonal Variations on Antimicrobial Drug Residues in Animal Products in Sudan (Ms Amna Babiker, Sudan)
14:20 – 14:35	Simultaneous Determination of Residual Veterinary Drugs in Bovine Milk Using Liquid Chromatography Coupled with Electrospray Ionization Tandem Mass Spectrometry (Mr Elhadji M. Niang, Senegal)
14:35 – 14:50	Assessment of Antibiotic Residues in Indigenous and Commercial Eggs in Harare (Ms Lindsay Mukani, Zimbabwe)
14:50 – 15:30	BREAK – Poster Session & Interaction with Exhibitors, Networking
15:30 – 15:45	Determination of Enrofloxacin Residues in Chicken Tissue (Mr Olufunsho Awodele, Nigeria)
15:45 – 16:00	Study of Veterinary Drug residue Depletion using Radiometric Methods: Application of Liquid Scintillation Counting (Mr Almamy Konate, Burkina Faso)
16:00 – 16:45	Q&A; Discussions; take home message
	Wrap up and end of day 2
WEDNESDAY	DAY 3 SESSION 6: Food Safety Monitoring/Surveillance Chairperson: Mr Paul Osei (Ghana) Co-Chairperson: Mr Aziz Mukota (Uganda)
09:00 – 09:25	Keynote presentation 7: The Importance of Traceability to the U.S. Food Safety System & The Product Tracing for Food Safety (PT4FS) Tool (Angela Fields – US Food and Drug Administration, USA)
09:25 – 09:40	Study on Foodborne Pathogens in Ready-to-eat Foods and Environment Swabs – (Ms Rose-May Benoit, Seychelles)
09:40 – 09:55	Evaluation of the Microbiological and Physicochemical Quality of Attiéké in various Urban areas of Abidjan and Rural areas of Côte D'Ivoire: Ensuring Food Quality and Safety (Ms Mawa Kone, Cote D'Ivoire)
09:55 – 10:10	Monitoring PAH Residues and Microbial Flora in Smoked Seafood (Mr Alioune. B.K. Diouf, Senegal)



10:10 – 10:25	Antimicrobial Resistance through Food-Chain: A One Health Perspective (Ms Sihem Jebri Ep Landolsi, Tunisia)
10:25 – 10:55	BREAK – Poster Session & Interaction with Exhibitors, Networking
10:55 – 11:10	Application of Inductively Coupled Plasma Mass Spectrometry and Atomic Absorption Spectrometry (ContrAA800) for Toxic/trace Metal Analysis and Food Safety Control (Mr Fadi Younis, Analytik Jena)
11:10 – 11:25	Federal Ministry of Health and Social Welfare – Approach to Enhancing Food Safety Interventions in Nigeria (Mr Stephen Olúwafẹ́mí, Nigeria)
11:25 – 11:55	Q & A Discussion; take home messages
11:55 – 12:35	Exhibition and Poster session
12:35 – 13:35	LUNCH
	SESSION 7: Risk Analysis: Assessment, Management and Communication; Networking Chairperson: Ms Hend Mahmoud (Egypt) Co-chairperson: Mr Abdellahi Beyit (Mauritania)
13:35 – 13:50	Enhancing the African Food Safety Network (AFoSaN) and its Positioning to Contribute to Addressing National, Regional and Global Food Safety Standards: (Mr James Jacob Sasanya, Joint IAEA/FAO Centre; Ms Bertha Jackson, Zimbabwe)
13:50 – 14:05	Multi-Factor Prioritisation using an Outranking Method to Manage Risk of <i>Listeria Monocytogenes</i> of Milk in Uganda (Ms Jean Rubakuba, Uganda)
14:05 – 14:20	Assessment of Risk and Processing Effects on Banned Pesticide Residue Levels in Nigerian Staple Foods (Mr Daniel Apeh, Nigeria)
14:20 – 14:35	Risk Assessment of Mycotoxins in Complimentary Food for Children (Six Months to Two Years) in Accra (Mr Cheetham. L. Mingle, Ghana)
14:35 – 15:00	Q & A Discussion panel and take-home messages
15:00 – 15:45	BREAK, Posters & Interaction with Exhibitors, Networking
15:45 – 16:00	Sanitary and Phytosanitary (SPS) Measures with focus on Food Safety and Trade – Development and Implementation of CABI's SPS Strategy (Mr Gbemenou J.B. Gnonlonfin, CABI)
16:00 – 17:00	Meeting of AFoSaN Committees (break-out meetings); Wrap up and end of day 1
18:00 –	Sponsored Joint Hospitality Event/Dinner (courtesy of ONSSA) – Delegates will be picked up from the Palm Plaza at 18:00 and transported to the venue
THURSDAY	DAY 4: Mycotoxins and Other Hazard Analysis, Proficiency and Sustainable Laboratory Excellence
	SESSION 8: Contaminants in Food, Feed and the Environment Chairperson: Ms Bernadette Sourabie Ouattara (Burkina Faso) Co-Chairperson: Mr Jean Paul Otamonga (DR Congo)
09:00 – 09:25	Keynote presentation 8: Zambia's Experience on Mycotoxins and Impact on Food and Feed Safety – Lessons for others (Mr Henry Njapau, Zambia)



09:25 – 09:40	Temporal Trends in Mycotoxin Contaminations in Maize Supplied to Consumers in Eswatini (Mr Cyril Dlamini, Eswatini)
09:40 – 09:55	Mycotoxins in Food and Feeds in Botswana (Ms Miriam Keikotlhaile, Botswana)
09:55 – 10:10	Assessment of Aflatoxin Levels of Maize Four Exported to Southern Sudan and Impact of Intervention by Uganda National Bureau of Standards (Mr Aziz. K. Mukota, Uganda)
10:10 – 10:25	Receptor Binding Assay to Detect Saxitoxins in Tunisian Shellfish (Ms Aida. B. Mansour, Tunisia)
10:25 – 10:40	Occurrence and Risk Assessment of Lead, Arsenic, Mercury and Cadmium in Local and Exotic Layer Chicken Eggs in Niger State (Ms Tawakaltu Adeleke, Nigeria)
10:40 – 11:15	BREAK, Exhibition, Poster Session, Networking
11:15 – 11:30	USDA and Direction de la Protection des Végétaux Approaches to Mitigate Aflatoxin Contamination in Peanuts – Senegal (Mr Abdoulaye Faye, Senegal)
11:30 – 11:45	Q & A Discussion panel; take-home messages
11:45 – 12:00	Assessment of Persistent Organic Pollutant Residues in Harvested Maize in Blantyre, Malawi (Ms Gertrude Phiri, Malawi)
12:00 – 12:15	Polonium-210 Activity Concentrations in Popular Tunisian Medicinal Plants and Committed Effective Doses Due to their Ingestion (Ms Khaoula Nasr, Tunisia)
12:15 – 12:30	Impact of African Fit-for-Purpose Proficiency Testing Schemes (Ms Caitlin Swiegelaar, South Africa)
12:30 – 13:30	LUNCH
	SESSION 9: Research and Capacity Building Opportunities at the IAEA and other Institutions/Development Partners; Country Experiences Chair: Mr James Sasanya (Joint FAO/IAEA Centre) Co-Chair: Mr Abdoul Aziz Zakari Dit Yaou (Niger)
13:30 – 14:00	Country/Institutional experiences (R&D and capacity building): Those countries/institutions involved in IAEA/FAO activities will briefly speak about their work
14:00 – 14:15	Country/Institutional experiences (R&D and capacity building): Those countries/institutions currently not involved in IAEA/FAO activities will briefly speak about their work
14:15 – 14:30	Plant Health Strategy for Africa: The African Union's Crop Protection Efforts (Ms Sandrine Bayendi, Inter-African Phytosanitary Council of the African Union – AU-IAPSC)
14:30 – 15:00	Q & A Discussions (All); Tell-your-food safety- story session – Where do you see your institution/country in 10 years from now in line with continental developments and goals e.g. African Food Safety Strategy; SPS, AfCFTA, sustainable human resource etc?
15:00 – 15:30	BREAK, Exhibition, Poster Session, Networking
15:30 – 16:00	Feedback from AFoSaN Committee Meetings – Reporting by Rapporteurs
	END OF DAY 4
FRIDAY	DAY 5: Food Quality, Capacity Building, Overall Discussions
	SESSION 10: Food Fraud, Food Authenticity, Traceability; Others Chairperson: Ms Rosemay Benoir (Seychelles)



	Co-Chairperson: Mr Mahmoud Al Sisi (Egypt)
09:00 – 09:15	Evaluation of the Physicochemical Quality of Chicken Treated by Injection of Brine in Maputo (Mr Hilgido Maxlhaieie, Mozambique)
09:15 – 09:30	Food Fraud/Adulteration and Authenticity in Kenya (Ms Ashiambi. S. Nyakoa, Kenya)
09:30 – 10:00	Q & A Discussion panel; take home messages
10:00 – 11:00	BREAK, Exhibition;
11:10 – 11:25	Role of the Central Lab of Residue Analysis of Pesticides and Heavy Metals in Foods in Enhancing Analytical Capacities for Food Safety Labs in Africa (Ms Hend Abdellah, Egypt)
11:25 – 11:40	Physicochemical and Functional Properties of Cassava Starch from Different Varieties as Affected by Gamma Irradiation (Mr Isaac. K. Asare, Ghana)
11:40 – 11:45	Q&A
	Session 11: Wrap-up and Final Take Home, Call for Action Chairperson: Mr James Jacob Sasanya (Joint FAO/IAEA Centre); Co-Chairperson: Mr Nabil Abouchoaib (ONSSA, Morocco)
11:45 – 12:30	GENERAL DISCUSSIONS COVERING THE WEEK (James Jacob Sasanya, Joint FAO/IAEA) Discussion theme: Africa's Challenges and Opportunities in the production and reporting of Scientific Data; Trade Bottlenecks; Standards and Lack of a Rapid Alert System
12:30 – 12:45	Follow-up and reporting on AFoSaN committee meetings (Elhadji. M. Niang; Doreen Osoro; B. Jackson; Cheetham Mingle; Khaoula Nasr Ep Kachroudi, Daniel Apeh; Kepher Kateu; Mr Abdoul Aziz Zakari Dit Yaou and others)
12:45 – 13:00	Conclusions and Recommendations; Plans, Venue and Dates for next meeting – (All; James Jacob Sasanya (Joint FAO/IAEA Centre). Cote D'Ivoire has in principle volunteered to host the next event in Abidjan, 29th June to 3rd July 2026 Final remarks by host/Nabil Abouchoaib (ONSSA, Morocco)
13:00 – 13:10	Closing remarks ((Video Statement) by Mr Hua Liu, Deputy Director General and Head of the Department of Technical Cooperation, IAEA
13:10 – 15:00	LUNCH BREAK and Excursion; End of meeting
	BREAK (as applicable)

Monday to Thursday

POSTER SESSION

Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
D. Musangwa	Rwanda	Case study - A Regulatory Exercise on Compliance to Safety Standards in Rwanda's Food Industry.
A.E.Haruna	Nigeria	Extended-Spectrum Beta-Lactamase producing Salmonella species isolated from Chickens and Rats in Commercial Poultry Farms, The one Health implication: Africa Center of Excellence for Mycotoxins and Food Safety Federal University of Technology, Minna, Nigeria; Ministry of Livestock and Fisheries Minna, Niger State, Nigeria
H. Hussan X. Liub J. Xub f. Dongb Y. Zhengb	Sudan	Simultaneous Analysis of Insecticides in Roselle (<i>Hibiscus sabdariffa</i> L.) by Ultra Performance Liquid Chromatography coupled to tandem mass spectrometry
A.M. A. Hammad G. Nesser A. Abdelbagi A. Ishag M. Tagelseed M. Laing	Sudan	Accumulative Seasonal Pesticide Residue Levels in the main, Blue and White Nile waters in Sudan
A. Anene	Tunisia	Stable Spectrofluorimetric Detection of Histamine in Food using O-Phthaldialdehyde Derivatizing Agent and Surfactants
K. Elo	Togo	Fatty Acids Profiling of Nile Tilapia (<i>Oreochromis niloticus</i>) from West Africa at Various Developmental Stages and Feeding Conditions
K. Elo Melila	Togo	Assessment of Shrimp Pollution by some ETMs and the Health Risk for consumers at the Phosphate Processing Zone in Togo
J. Iberet	Uganda	Simultaneous Quantification of Multiple Sulfonamides, Macrolides, and Quinolones in Tissue, Eggs, and Milk Using LC-MS/MS
K. Elo E.C. Bouka	Togo	Evaluation Of the Sanitary Quality of Infant Flour Marketed in Togo
Z.A. Berriche K. Nasr, M. Samaali A. Ben Mansour	Tunisia	Validation of Charm II Test for the Detection of Chloramphenicol in Tunisian Cow Milk
M. Agy M.L. Nguluve R. Maia H. Matusse	Mozambique	Microbiological Evaluation of Industrial Chicken Processing in Maputo Province
D. Mbazumutima	Burundi	Strengthening National Capacity Monitoring and testing animal drugs in food/Burundi/ CNTA
X. Mkhize	South Africa	The Escalating Food Fraud Cases in the Informal Business Sector Requires an Urgent Response of Reinforcement and Frequent Monitoring



C. Abdelkader	Mauritania	Study of the prevalence of Antibiotic Residues in Raw Milk Marketed in Nouakchott, Mauritania
Y. J. Sanni	Togo	Assessment of Multi-Sectoral Factors for Mitigating Antimicrobial Resistance in the Dairy System in Togo
D. Cheikh	Mauritania	Assessment of Antibiotic Resistance in <i>Staphylococcus aureus</i> Strains Isolated from Raw Milk Marketed in Nouakchott, Mauritania
J. Kateregga	Uganda	Antibacterial Drug Residues in Cow Milk from Selected Cattle Farms in Four Districts of Uganda
T. Randriamparany R. Nirharosoa de Borgia	Madagascar	Evaluation of Veterinary Drug Residues in Milk in Madagascar
J.K. Kouamé	Côte D'Ivoire	Development of a Method for the Simultaneous Determination of Aflatoxins B1, B2, G1 and G2 by LC-MS/MS at the National Public Health Laboratory of Côte D'Ivoire
G. Nchima N.B. Mudenda. K. Chawinga C. Mumba G. Mainda R. Chazya F. Goma	Zambia	Knowledge, Attitudes and Practices on AMR among Small Scale Broiler Farmers in Copperbelt Province, Zambia
J. V. F. Nsoga C. J. K. Manz	Cameroon	Benefit-risk Analysis of Omega-3 Polyunsaturated Fatty Acids and Polycyclic Aromatic Hydrocarbons in Three most Consumed Smoked Fish Species from Douala, Cameroon
S. Labrosse D. Scholastique G. Sifflore L. Biscornet	Seychelles	Food Monitoring and Surveillance Programmes; Baseline Study on Veterinary Drug Residues in Edible Offal in Seychelles
N. Laurence M. Bijoux M. Albert S. Denis S. Moise	Seychelles	Food Monitoring Programmes; Chemical and Microbial Analysis in Imported Food in Seychelles
T. O. Amanuel	Eritrea	Charm II Tetracycline test in Grains and Meat in Asmara, Eritrea
I. Amri M. Boualeg S. Smeti M. H. Trabelsi Z. Mejri S. Jebri	Tunisia	Effect of Thyme on Microbial Quality and Lipid Stability of E-Beam Irradiated Ground Beef
E. Hilundutah L. lipumbu T. Nzhengwa	Namibia	Residue Surveillance Evaluation of Prohibited Veterinary Drugs in Bovine Animals, Southern Veterinary Cordon Fence, Namibia, March 2019 to March 2023
P.B. Ouattara-Sourabie F. Nikiéma I. Ilboudo M. Bandé A. Belemougri B. Sandwidi S. Zongo H. Karené E. Kabré	Burkina Faso	The Status of Aflatoxins Contamination in Groundnuts in Burkina Faso
K. K. Kateu S. Ahimbisibwe R. Nauda	Uganda	Levels of Benzene in Ready-to-drink Imitation Soft Drinks around Kampala

Royaume du Maroc
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المملكة المغربية
المكتب الوطني للصحة
للمنتجات الغذائية



Joint FAO/IAEA Centre
Nuclear Techniques in Food and Agriculture



M. Girma

Ethiopia

Occurrence and Antimicrobial susceptibility of Salmonella in Faecal and carcass swab samples of small Ruminants at Addis Ababa Livestock Market

The programme is subject to further changes