

List of Posters

All names are given without academic titles.

Session A: Health and nutrition

TOPIC A1	Prevention of non-communicable diseases, particularly obesity, sarcopenic obesity, and the metabolic syndrome
No. 1 (A-134)	Determination of antioxidant potential and total phenolic and anthocyanin content of peel, pulp and kernel fractions of Ziziphus jujuba fruit collected from Turkey NEW TITLE: The combined action of natural antimicrobials and high hydrostatic pres sure on inactivation of different microorganisms: A review NEW AUTHORS: F. Şahmurat¹, A. Duran¹, A. Yücetepe¹, , B. Özçelik² 1Department of Food Engineering, Faculty of Engineering, Aksaray University, TR68100, Aksaray, Turkey 2Department of Food Engineering, Faculty of Chemical and Metallurgical Engineering, Istanbul Technical University, Maslak, TR-34469, Istanbul, Turkey
No. 2 (A-145)	Microwave treated starch-protein blends: An innovative raw material to improve the quality of gluten-free products for coeliac disease patients M. Villanueva ¹ , B. De Lamo ¹ , J. Harasym ^{1, 2} , F. Ronda ¹ 1 University of Valladolid, Valladolid, Spain, 2 Wroclaw University of Economics, Wroclaw, Poland
No. 3 (A-172)	The European food, nutrition and health research infrastructure P. Finglas ^{1, 2} , K. Zimmermann ³ , I. Spiroski ⁴ 1 Quadram Institute Bioscience, Norwich, United Kingdom, 2 EuroFIR AISBL, Brussels, Belgium, 3 Wageningen Economic Research, Den Haag, Netherlands, 4 Insitute of Public Health of the Republic of Macedonia, Skopje, Macedonia, the former Republic of Yugoslav
No. 4 (A-212)	Influence of resistant starch type III on gut microbiota and glucose metabolism in (pre)diabetics J. Schweizer 1, S. R. Dautel 1, A. Schweinlin 1, M. Basrai 1, A. Schwiertz 2, S. C. Bischoff 1 1 Institute of Nutritional Medicine, University of Hohenheim, Stuttgart, Germany, 2 Institute of Microecology, Herborn, Germany
No. 5 (A-220)	Angiotensin-I converting enzyme inhibitory and antioxidant activity of rosehip (Rosa L.) infusions in vitro K. N. Kasapoğlu ¹ , B. Ozcelik ¹ I Istanbul Technical University, Department of Food Engineering, Istanbul, Turkey
No. 6 (A-221)	Minority crops utilization for diversification of gluten-free food products offer J. Harasym ^{1, 2} , M. Villanueva ¹ , A. G. Solaesa ¹ , W. Abebe ³ , P. Caballero ¹ , F. Ronda ¹ 1 University of Valladolid, Valladolid, Spain, 2 Wrocław University of Economics, Wrocław, Poland, 3 Ethiopian Institute of Agricultural Research, Adis Abeba, Ethiopia
No. 7 (A-223)	Therapeutic effect of highly purified oat beta-glucan on colon inflammation states—a model study J. Harasym ^{1, 2} , K. Dziendzikowska ³ , J. Gromadzka-Ostrowska ³ 1 University of Valladolid, Valladolid, Spain, 2 Wrocław University of Economics, Wrocław, Poland,

3 Warsaw University of Life Science, Warsaw, Poland

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No. 8 (A-228) Microwave assisted heat moisture treatment as useful tool in improvement of gluten-free flours functional characteristic

F. Ronda¹, J. Harasym^{1, 2}, M. Villanueva¹, A. G. Solaesa¹, W. Abebe³, P. Caballero¹ 1 University of Valladolid, Valladolid, Spain, 2 Wrocław University of Economics, Wrocław, Poland, 3 Ethiopian Institute of Agricultural Research, Adis Abeba, Ethiopia

No. 9 (A-238) Resveratrol inhibits activation of human intestinal mast cells, key effector cells of food allergy

E. Petrov¹, Y. Soltow¹, S. C. Bischoff¹, A. Lorentz¹

1 University of Hohenheim, Institute of Nutritional Medicine, Stuttgart, Germany

TOPIC A2 Food and agricultural approaches to reduce malnutrition

No. 10 (A-112) A study to induce production of double yolk table eggs in Poultry layers

L. Cruz¹

1 Veterinarian, Animal Nutrition, Manila, Philippines

No. 11 (A-141) Does governance impact undernutrition: An integrated approach to reducing underweight in children under 5 years

G. Woode¹

1 University Research Company LLC., Monitoring and Evaluation, Accra, Ghana

No. 12 (A-171) The health-environment nexus: A theoretical food replacement study in Dutch cardiac patients

E. Mertens¹, A. Kuijsten¹, ², P. van 't Veer¹, J. M. Geleijnse^{1,2}

1 Wageningen University, Human Nutrition and Health, Wageningen, Netherlands,

2 Top Institute Food and Nutrition, Wageningen, Netherlands

No. 13 (A-178) Nutrition-specific and sensitive drivers of poor child nutrition in Kilte Awlaelo-Health and Demographic Surveillance Site, Tigray, Northern Ethiopia: implications for public health nutrition in resource-poor settings

<u>S. Abera</u>^{1,2,3,4}, E. Kantelhardt^{5,6}, A. Mulugeta^{3,4}, A. Aregay^{1,3}, G. Ejeta⁷, J. Lauvai⁸, A. Wienke⁵, V. Scherbaum^{1,2}

1 University of Hohenheim, Institute of Biological Chemsitry and Nutrition, Stuttgart, Germany, 2 Food Security Center, University of Hohenheim, Stuttgart, Germany, 3 School of Public Health, College of Health Sciences, Mekelle University, Mekelle, Ethiopia, 4 Kilte Awlaelo-Health and Demographic Surveillance Site, College of Health Sciences, Mekelle University, Mekelle, Ethiopia, 5 Institute of Medical Epidemiology, Biostatistics, and Informatics, Faculty of Medicine, Martin-Luther University, Halle (Saale), Germany, 6 Department of Gynaecology, Faculty of Medicine, Martin-Luther University, Halle (Saale), Germany, 7 Department of Agronomy, Purdue University, Indiana, United States, 8 Institute of Biofunctionality and Safety of Food, University of Hohenheim, Stuttgart, Germany

No. 14 (A-182) Safe and nutritious food: Ideal family!—A behavior change intervention to improve optimal feeding and food hygiene

A. A. Müller¹, S. Sobhan¹, T. M. Huda², A. S. Wendt¹, J. L. Waid^{1,3}, J. Sultana², S. Gabrysch^{1,4}

1 Heidelberg University, Institute of Public Health, Heidelberg, Germany, 2 icddr, b, Infectious Diseases Division,
Dhaka, Bangladesh, 3 Helen Keller International, Dhaka, Bangladesh, 4 Heidelberg University, Heidelberg Center for the Environment, Heidelberg, Germany

No. 15 (A-192) Assessment of iron and copper composition of selected underutilised vegetables of South Western Nigeria

T. Ayeyemi¹, O. Jusina², I. Kemi²

1 University of Bonn, Bonn, Germany, 2 Obafemi Awolowo Univesity, Ile-Ife, Nigeria

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No. 16 (A-205) Food taboos among pregnant and lactating women in developing countries

N. Chareh¹, V. Scherbaum¹

1 University of Hohenheim, Stuttgart, Germany

No. 17 (A-245) Self-reported health status of food bank users

A. Bschaden¹, J. Depa², N. Stroebele-Benschop¹

1 University of Hohenheim, Molecular and Applied Nutritional Psychology (180d), Stuttgart, Germany,

2 Fulda University of Applied Sciences, Nursing and Health Sciences, Fulda, Germany

Session B: Resilience, adaptation and sustainable intensification of food production systems

TOPIC B1 Is zero hunger at zero land use change possible? Future land use strategies: Restoration, intensification or land expansion?

No. 18 (A-108) Sustainable intensification land use towards agri food system and poverty alleviation:

Case of agroforestry

I. Nunoo¹, V. Nunoo²

1 Kwame Nkrumah University of Science and Technology, Agricultural Economics, Agribusiness and Extension, Kumasi, Ghana, 2 Kwame Nkrumah University of Science and Technology, Geography and Rural Development, Kumasi, Ghana

No. 19 (A-215) How do agricultural policies affect the poor and the environment in Uganda?

Insights from a micro-macro linked CGE modeling approach

C. Kornher¹, C. Henning¹

1 Kiel University, Department of Agricultural Economics, Kiel, Germany

No. 20 (A-207) Is crop cultivation in savannas sustainable? - Assessing land use change impacts

on ecosystem functions using modelling

B. Warth¹, C. Marohn¹, F. Asch¹

1 University of Hohenheim, Institute of Agricultural Sciences in the Tropics (Hans-Ruthenberg-Institute), Stuttgart,

Germany

No. 21 (A-189) Minimization of postharvest losses in fruit and vegetable systems:

Integration of strategies

D. Spadaro¹, A. Garibaldi¹, M. L. Gullino¹

1 University of Torino, AGROINNOVA, Grugliasco, Italy

No. 22 (A-185) Who poses a misdirecting question will get an even more bewildering response

S. M. Albrecht⁴

1 Project Agricultural Transformation Review (ATR), Oldenswort, Germany-

No. 23 (A-173) Bees in politics

T. M. Klotz¹

1 TUM School of Governance Munich, Chair of Environmental and Climate Policy, Munich, Germany

No. 24 (A-169) What about taste? The case of the "tasteless" hybrid plantains in Ghana

L. Scheiterle¹, R. Birner¹

1 University of Hohenheim, Hans-Ruthenberg-Institute, Stuttgart, Germany



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No. 25 (A-154) Eating the soil: The effect of soil properties on food's mineral composition

S. Fischer¹, T. Hilger¹, I. Jordan², J. Karungi³, G. Cadisch¹

1 University of Hohenheim, Institute of Agricultural Sciences in the Tropics (Hans-Ruthenberg-Institute), Stuttgart, Germany, 2 Justus Liebig University Giessen, Center for International Development and Environmental Research (ZEU), Giessen, Germany, 3 University of Makerere, Department of Agricultural Production, Kampala, Uganda

No. 26 (A-129) Urban and peri urban horticulture in Namibia

A. D. Fosso¹

1 Namibian Horticulture Trust, Horticulture, Windhoek, Namibia

No. 27 (A-123) Risk management strategies among crop farmers in Bauchi State, Nigeria

R. Sani¹

1 Abubakar Tafawa Balewa University, Agric Economics, Bauchi, Nigeria

No. 28 (A-122) Modelling response of rubber plantations towards future environmental change and options for sustainable management

X. Q. Yang^{1,2,3}, M.-J. Schelhaas⁴, S. Blagodatsky¹, H. X. Liu¹, C. Marohn¹, J. C. Xu³, G. Cadisch¹ 1 University of Hohenheim, Stuttgart, Germany, 2 Kunming Institute of Botany, CAS, Kunming, China, 3 World Agroforestry Centre (ICRAF), Kunming, China, 4 Alterra, Wageningen UR, Wageningen, Netherlands

No. 29 (A-109) Trends of crop productivity, income growth and upward mobility in Kenya S. Mburu¹

1 Tegemeo Institute, Egerton University, Nairobi, Kenya

No. 30 (A-242) Which land use and agriculture in 2030 and for whose benefits?—27 visions of the Okavango River basin to navigate food production in the future

S. Domptail¹

1 Justus Liebig University of Giessen, Institute for Agricultural Policy and Market Research, Giessen, Germany

TOPIC B2 Trade-offs and synergies between climate mitigation and food security

No. 31 (A-115) A study on the ruminant (camel, sheep, goat) digestive diseases relative to waste management in Qatar

L. Cruz¹

1 Veterinarian, Animal Nutrition, Manila, Philippines

No. 32 (A-229) Beyond the cow, her calf, milk and manure: The increased net economic benefit of incorporating climate-smart technologies in the Rwandan One Cow per Poor Family programme

J. Kandulu¹, T. Dusingizimana², M. Chagunda³

1 University of Adelaide, Centre for Global Food and Resources, Adelade, Australia, 2 Massey University, School of Food and Nutrition, Palmerston North, New Zealand, 3 University of Hohenheim, Animal Breeding and Husbandy in the Tropics and Subtropics (490h), Stuttgart, Germany

No. 33 (A-217) Food insecurity experience and farmers' aspiration: An empirical analysis in Northeastern Ethiopia

M. Girma Mulat¹, Anne Jerneck², Asmare Dejen¹

1 Wollo University, College of Agriculture, Dessie, Ethiopia, 2 Lund University, Center for sustainability Study, Lund, Sweden

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No. 34 (A-208) Experts' opinion on sustainable nutrition and possible impacts on health and future of agricultural systems in Switzerland

C. Brombach¹, S. Flückiger², J. Sych¹, S. Rohrmann³, K. Schneider⁴, C. Schader⁵

1 Zurich University of Applied Sciences, Institute of Food and Beverage Innovation, Waedenswil, Switzerland,

2 Zurich University of Applied Sciences, Institute of Natural Resources, Waedenswil, Switzerland,

3 University of Zurich, Chronic Disease Epidemiology, Biostatistics and Prevention Institute (EBPI), Zurich, Switzerland, 4 University of Zurich, Zurich, Switzerland, 5 Forschungsinstitut für Biologischen Landbau, Frick, Switzerland

No. 35 (A-181) Effect of dietary red grape bagasse on the shelf life extension of veal from Galician Blond breed

R. González¹, G. García¹, E. González¹, M. C. García-Fontán¹, R. Alonso-Abraldes¹,

T. Moreno¹

1 Meat Technology Centre of Galicia, Galicia St. 4, San Cibrao das Viñas, 32900, Ourense, Spain

No. 36 (A-170) Taste profiles of diets high and low on sustainability and health

L. van Bussel¹, A. Kuijsten¹, P. van 't Veer¹

1 Wageningen University, Human Nutrition, Wageningen, Netherlands

No. 37 (A-166) PGPR inoculation of mungbean: Are there positive effects on nitrogen fixation under stress conditions?

L. Pataczek¹, J. Barroso¹, T. Hilger¹, Z. A. Zahir², R. Schafleitner³, G. Cadisch¹

1 University of Hohenheim, Institute of Agricultural Sciences in the Tropics (Hans-Ruthenberg-Institute), Stuttgart, Germany, 2 University of Agriculture, Faisalabad, Institute of Soil and Environmental Sciences, Faisalabad, Pakistan, 3 The World Vegetable Center, Biotechnology and Molecular Breeding, Tainan, Taiwan

No. 38 (A-162) Food-bioenergy integration in Brazil: Towards sustainable land use intensification

N. Rinke Dias de Souza¹, T. L. Junqueira², O. Cavalett², M. F. Chagas², T. F. Cardoso²,

M. Watanabe², A. Bonomi², J. A. Fracarolli³, L. Cortez⁴

1 University of Campinas, Food Engineering, Campinas, Brazil, 2 Brazilian Center of Research in Energy and Materials (CNPEM), Brazilian Bioethanol Science and Technology Laboratory (CTBE), Campinas, Brazil, 3 University of Campinas, Agricultural Engineering, Campinas, Brazil, 4 University of Campinas, Interdisciplinary Centre of Energy Planning, Campinas, Brazil

No. 39 (A-152) Can spectroscopic and enzymatic proxies improve simulating the impact of climate change on soil organic matter?

M. Laub¹, N. Y. Funkuin¹, R. S. Ali², M. S. Demyan¹, F. Rasche¹, S. Blagodatsky¹, G. Cadisch¹ 1 University of Hohenheim, Institute of Agricultural Sciences in the Tropics (Hans-Ruthenberg-Institute), Stuttgart, Germany, 2 University of Hohenheim, Institute of Soil Science and Land Evaluation, Soil Biology Section, Stuttgart, Germany

No. 40 (A-133) Exploring the potential of underutilized species in South America to increase incomes, reduce poverty and build resilience against climate change: Examples from Bolivia and Colombia

I. Fromm¹

1 Bern University of Applied Sciences, School of Agricultural, Forest and Food Sciences, Zollikofen, Switzerland

No. 41 (A-240) Carbon neutrality and food security—a case study on coffee from Costa Rica A. Birkenberg¹

1 University of Hohenheim, Stuttgart, Germany

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TOPIC B3 Adaptation to global social and environmental change: Technical, digital and social innovations

No. 42 (A-127) Assessing the role of pro-environmental motivations towards a sustainable food system

A. A. Dipierri¹, M. Hudon¹, T. Dedeurwaerdere²

TUniversité Libre de Bruxelles (ULB), GERMi, Brussels, Belgium, 2 Université Catholique de Louvain (UCL), Louvain, Belgium

No. 43 (A-196) Impact of root temperature regime on growth, photosynthesis and antioxidant enzyme activities in rice plants

A. Pieters^{1,2}, J. Hartmann¹, S. Stuerz¹, F. Asch¹

1 University of Hohenheim, Institute of Agricultural Sciences in the Tropics (Hans-Ruthenberg-Institute), Crop Water Stress Management (490g), Stuttgart, Germany, 2 Venezuelan Institute for Scientific Research, Centre of Ecology, Plant Ecophysiology Lab, Caracas, Venezuela

No. 44 (A-198) Health risk assessment of using treated wastewater for vegetables production under hyper-arid climate

M. I. Hussain¹, A. S. Qureshi²

1 University of Sharjah, P.O. Box 27272, Sharjah, U.A.E., Research Institute of Science and Engineering, Dubai, United Arab Emirates, 2 International Center for Biosaline Agriculture (ICBA), PO Box 14660, Dubai, U.A.E., Dubai, United Arab Emirates

No. 45 (A-206) Local solutions to local problems: Agroforestry systems contribution to communities' food and nutrition security in Southwestern Ethiopia

D. Callo-Concha¹, O. M. Jemal¹, H. S. Aragaw², H. Jaenicke^{1,3}

1 Bonn University, Center for Development Research, Bonn, Germany, 2 Ethiopian Institute of Agricultural Research, Jimma Agricultural Research Centre, Jimma, Ethiopia, 3 Bonn University, INRES Horticulture / Horticulture Competence Centre, Rheinbach, Germany

No. 46 (A-209) Identifying tipping points in the supply of ecosystem services in a mountainous watershed in South-East Asia using spatially explicit modelling

K. Thellmann¹, M. Cotter¹, G. Cadisch¹, F. Asch¹

1 University of Hohenheim, Institute of Agricultural Sciences in the Tropics and Subtropics (Hans-Ruthenberg-Institute), Stuttgart, Germany

No. 47 (A-211) The role of E-commerce on agri-food value chain and its implications for farmers in poor areas of China

R. Gu¹, F. Nie¹, W. Zhang², H. Zhu¹

1 Chinese Academy of Agricultural Sciences, Beijing, China, 2 International Food Policy Research Institute, Washington, United States

No. 48 (A-231) The impact of storytelling on the dissemination of food security

NEW TITLE: Communication strategies for food security: The powerful potential of storytelling

L. P. Muench^{1,2}

1 University of Edinburgh, School of Geosciences, Edinburgh, United Kingdom, 2 Scotland Rural College, Edinburgh, United Kingdom

No. 49 (A-241) Can understanding gendered trait preferences for small ruminants to enhance adaptation efforts in low-input environments?

J. Kariuki¹, J. Ojango², A. Galie², R. Birner³

1 University of Hohenheim / ILRI, Stuttgart, Germany, 2 ILRI, Nairobi, Kenya, 3 University of Hohenheim, Stuttgart, Germany



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No. 50 (A-246)	Meat consumption discourses—how much information is in it for decision makers?
	The case of ethical and sustainable poultry production in Germany

B. König¹, B. Richter¹, J. Heitlinger², A. Kuntosch²

1 Humboldt-Universität zu Berlin, Thaer Institute and IRI THESys, Berlin, Germany, 2 Humboldt-Universität zu Berlin, Thaer Institute and IRI THESys, Berlin, Germany

No. 51 (A-251) Value chain analysis of rice production for Kebbi State Staple Crops Processing Zone in Nigeria

E. Kwon-Ndung¹, G. Ayoola², L. Kwon-Ndung³

1 Federal University Lafia, Department of Botany, Lafia, Nigeria, 2 Farm and Infrastructure Foundation, Managing Director, Abuja, Nigeria, 3 Federal University Lafia, Political Science, Lafia, Nigeria

No. 52 (A-193) A modeling framework for developing sustainable adaptation and mitigation strategies: Tackling the challenge of salinity and water scarcity in Asian Mega Deltas

P. Schneider¹, F. Asch¹, V. D. Nha²

1 University of Hohenheim, Management of Crop Water Stress in the Tropics and Subtropics (490g), Stuttgart, Germany, 2 Kien Giang University, Agriculture and Rural Development Faculty, Kien Giang, Viet Nam

No. 53 (A-187) Improving egg production through small-holder business models

K. Kraemer¹, S. Srujith², K. Beesabathuni²

1 Sight and Life Foundation, Basel, Switzerland, 2 Sight and Life Foundation, Bangalore, India

No. 54 (A-179) Grop farmers' adaptive capacity and resilience to water crisis in the North West of Iran

E. Karamidehkordi¹, F. Safari¹

1 University of Zanjan, Agricultural Extension, Communication and Rural Development Department, Zanjan, Islamic Republic of Iran

No. 55 (A-128) Factors influencing pitaya (Hylocereus spp.) seed germination assessed with conventional and image analysis approaches

D. Zerpa-Catanho¹, A. Hernández-Pridybailo¹, V. Madrigal-Ortiz¹, Z.-C. Adonay¹,

C. Porras-Martínez¹, V. M. Jiménez^{1,2}, L. Barboza-Barguero¹

1 Universidad de Costa Rica, Centro para Investigaciones en Granos y Semillas (CIGRAS), San Jose, Costa Rica, 2 University of Hohenheim, Food Security Center, Stuttgart, Germany

No. 56 (A-135) Assessing and increasing biodiversity in fruit orchards to support the sustainability of integrated production systems in Germany

K. L. Thiemann¹, T. Rosenau^{1,2}, A. Hamm², J. Lorenz³, H. Jaenicke^{1,4}

1 Bonn University, INRES Horticulture / Horticulture Competence Centre, Rheinbach, Germany, 2 Bonn University, INRES Agricultural Ecology and Organic Agriculture, Bonn, Germany, 3 Service Centre for Rural Areas, Rhineland Palatinate, Rheinbach, Germany, 4 Bonn University, Center for Development Research, Bonn, Germany

No. 57 (A-137) Ecofunctional management strategies for Diaphorina citri on organic orange orchards

L. Forster¹, C. Castillejos Cruz², S. Garibay³

1 AGRECOL e.V., Guggenheim, Germany, 2 Universidad Nacional Autonoma de Mexico, Mexico City, Mexico, 3 FiBL, Frick, Switzerland

No. 58 (A-156) Commons-based plant breeding and seed production as a social innovation to enhance resilience in the agricultural sector

L. Kliem¹, S. Sievers-Glotzbach²

1 Institute for Ecological Economy Research (IÖW), Berlin, Germany, 2 Carl von Ossietzky Universität Oldenburg, Department für Wirtschafts- und Rechtswissenschaften, Oldenburg, Germany

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No. 59 (A-157)

Disseminating promising high-yielding tetraploid plantain bred-hybrids in francophone West Africa

Changed to oral presentation on 6 September at 12:30 pm in the room "Audimax"

A. Tenkouano⁴, N. Lamien⁴, J. Agogbua², D. Amah³, R. Swennen⁴, 5, S. Traore⁷, D. Thiemele⁷, N. Aby⁷, K. Kobenan⁷, G. Gnonhouri⁷, N. Yao⁷, G. Astin⁷, S. Sawadogo-Kabore⁸, V. Tarpaga⁸, W. Issa⁸, B. Lokossou⁹, A. Adjanohoun⁹, G. L. Amadji⁹, S. Adangnitode⁹, K. A. D. Igue⁹, R. Ortiz⁴⁰ CORAF, Dakar, Senegal, 2 International Institute of Tropical Agriculture, Onne, Nigeria, 3 International Institute of Tropical Agriculture, Arusha, United Republic of Tanzania, 5 KU Leuven, Leuven, Belgium, 6 Bioversity International, Leuven, Belgium, 7 Centre National de Recherche Agronomique de Côte d'Ivoire, Abidjan, Côte d'Ivoire, 8 Institut de l'Environnement et de Recherches Agricoles, Ouagadougou, Burkina Faso, 9 Institut National des Recherches Agricoles du Bénin, Cotonou, Benin, 10 Swedish University of Agricultural Sciences, Alnarp, Sweden

No. 60 (A-164)

Thinking outside the CAP: Reducing domestic cattle farming as strategy for resilient food systems, in the context of Sweden's defence policy

M. Augdoppler 1, 2

1 Swedish University of Agricultural Sciences, Uppsala, Sweden, 2 University of Natural Resources and Life Sciences, Vienna, Austria

No. 61 (A-175)

Acceptability of urine-enriched biochar in Bangladesh: a qualitative study

<u>A. S. Wendt</u>¹, I. Sutradhar², M. Jackson-deGraffenried³, S. A. McMahon^{1,4}, J. L. Waid^{1,3}, H.-P. Schmidt⁵, S. Akter², S. Gabrysch^{1,6}

1 Heidelberg University, Institute of Public Health, Heidelberg, Germany, 2 BRAC University, BRAC James P Grant School of Public Health, Dhaka, Bangladesh, 3 Helen Keller International, Dhaka, Bangladesh, 4 Johns Hopkins Bloomberg School of Public Health, Department of International Health, Baltimore, United States, 5 Ithaka Institute, Arbaz, Switzerland, 6 Heidelberg University, Heidelberg Center for the Environment, Heidelberg, Germany

No. 62 (A-254)

Identification of Fusarium spp. infestation in winter wheat with RGB images

G. Peteinatos¹, M. Sökefeld¹, J. Machleb¹, F. Tzioumerka¹, R. Gerhards¹

1 Institute of Phytomedicine, University of Hohenheim, Department of Weed Science (360b), Stuttgart, Germany

Session C: Bioeconomy and food production

TOPIC C1

Evaluation of policy instruments for sustainable food production and healthy nutrition

No. 63 (A-107)

The impacts of land degradation on the socio-economic status of people in Khartoum state, Sudan

E. Mahgoub¹

1 Agricultural Research Corporation, Wad Medani, Sudan

No. 64 (A-136)

Motivations for food choices—Results of a quantitative survey in Hungary

V. Szűcs¹, J. Hámori², R. Guiné³

Thungarian Chamber of Agriculture, Directorate of Food Industry, Budapest, Hungary, 2 Hungarian Chamber of Agriculture, Budapest, Hungary, 3 CI&DETS and CERNAS Research Centres, Polytechnic Institute of Viseu, Viseu, Portugal

No. 65 (A-184)

Evaluation of the quality of fruit juices in the city of Yaoundé for the development of a quality management protocol

B. Tagne Kengne¹

 ${\bf 1}\;{\bf Labsam}\;{\bf at}\;{\bf University}\;{\bf of}\;{\bf Yaounde}\;{\bf I},\;{\bf Biochiomestry},\;{\bf Yaounde},\;{\bf Cameroon}$

No. 66 (A-232)

Effects of Okra powder on bread quality

<u>Ş. Tavma</u>n¹, K. Tuluk¹, B. Altınel¹, S. Kumcuoğlu¹, Ş. Glaue² 1 Ege University, İzmir, Turkey, 2 Dokuz Eylül University, İzmir, Turkey



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TOPIC C2	New approaches in food design
No. 67 (A-159)	Sustainable agri-value chain and production: The interplay of efficient resource use and energy systems in world's remote-areas O. A. Amusan ¹ 1 CPEEL University of Ibadan / Amiesol Resources Konsult / ERK GmbH, Ibadan, Nigeria
No. 68 (A-176)	A faster way to develop bread recipes through the application of iterative optimization algorithms B. Hermannseder ¹ , K. Bäuerle ¹ , B. Hitzmann ¹ 1 University of Hohenheim, Process Analytics and Cereal Science, Stuttgart, Germany
No. 69 (A-226)	Influence of solid fat content on textural and viscoelastic properties of emulsion gels <u>J. Dreher</u> ¹ , C. Blach ¹ , M. Gibis ¹ , J. Weiss ¹ University of Hohenheim, Stuttgart, Germany
No. 70 (A-236)	Combining biochar, biofertilizer and vermicompost for improved cacao (Theobroma cacao L) plant growth in acidic soil N. Carnaje¹, N. Aggangan², M. Ang-Lopez¹ 1 University of the Philippines Visayas, School of Technology, Iloilo City, Philippines, 2 University of the Philippines Los Banos, BIOTECH, Laguna, Philippines
No. 71 (A-255)	Detection of pesticide in food samples using a novel biosensor based on graphene and acetylcholinesterase enzyme I. Cesarino ¹ , M. K. L. Silva ¹ , A. L. Leao ¹ São Paulo State University (UNESP), School of Agriculture, Botucatu, SP, Brazil
TOPIC C3	Sustainability advances for the production of high value food components
No. 72 (A-150)	Effect of bio-fertilizer and organic fertilizer on yield and yield components of Cumin (Cuminum Cyminum) under drought stress M. Amini Dehaghi ¹ , F. Abedin ² 1 Shahed University, Agronomy, Tehran, Islamic Republic of Iran, 2 Azade University, Karaj, Islamic Republic of Iran
No. 73 (A-227)	Improvement of antioxidant properties of veal from "Rubia Gallega" calves through the dietary inclusion of red grape marc <u>C. García-Fontán</u> ¹ , L. Rubio ² , M. Lores ² , R. González ¹ , R. Alonso ¹ , T. Moreno ¹ 1 Meat Technology Center, Ourense, Spain, 2 University of Santiago de Compostela, Analytical, Nutrition and Bromatology, Santiago de Compostela, Spain
No. 74 (A-247)	The combined action of natural antimicrobials and high hydrostatic pressure on inactivation of different microorganisms: A review F. Şahmurat¹, Ayhan Duran¹, A. Yücetepe¹, B. Özçelik² 1 Department of Food Engineering, Faculty of Engineering, Aksaray University, TR68100, Aksaray, Turkey, 2 Department of Food Engineering, Faculty of Chemical and Metallurgical Engineering, Istanbul Technical University, Maslak, TR-34469, Istanbul, Turkey