TITAN

Transparency solutions for transforming the food system

Summary of interesting publications on topics relevant to the TITAN project.

ENABLING INFORMED CHOICES BY CONSUMERS

Publications

Towards credible, evidence-based environmental rating ecolabels for consumer products: A proposed framework.
Journal of Environmental Management
Authors: Courtat, M., Joyce, P. J., Sim, S., Sadhukhan, J., & Murphy, R. (2023).

The impact of social vs environmental sustainability information disclosure on consumer choice of delivery time with varying sustainability concerns.
International Journal of Physical Distribution & Logistics Management
Authors: Nguyễn, Q.V., de Leeuw, S., van Herpen, M. (2023).

Methodology for risk-based monitoring of contaminants in food – A case study in cereals and fish.
Food Research International
Authors: Hobé, R., Van Asselt, E., Van Den Heuvel, L., Hil, E. H. D., & Van Der Fels-Klerx, H. (2023).

Reports

Fighting fraudulent and deceptive practices in the agri-food chain.
JRC Publications Repository
Authors: Winkler, B. (n.d.).

Ready to learn and thrive: school health and nutrition around the world.
Authors: UNESCO (2023).

World Happiness Report 2023
Authors: Helliwell, J., Layard, R., Sachs, J., De Neve, J., Aknin, L., & Wang, S. (2023).

FAO sets forth strategic priorities for food safety for the next nine years
Authors: FAO

Nutri-Score - Seule une obligation de l'afficher poussera les industriels de la malbouffe à améliorer leurs recettes
Authors: Que Choisir. (2023, April 12).

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Publications

Sustainability issues along the coffee chain: From the field to the cup.
Comprehensive Reviews in Food Science and Food Safety
Authors: Peixoto, J. L. B., Silva, J. F., Oliveira, M. B. P., & Oliveira, M. B. P. (2022).

The use of multispectral imaging for the discrimination of Arabica and Robusta coffee beans.
Food Chemistry
Authors: Mihailova, A., Liebisch, B., Islam, M., Carstensen, J. M., Cannavan, A., & Kelly, S. P. (2022).

Global Food Chain Traceability—Reflections on the Past, Present, and Insights into Future Directions
Authors: Food Safety. (n.d.).

Use of industry 4.0 technologies to reduce and valorize seafood waste and by-products: A narrative review on current knowledge.
Current Research in Food Science
Authors: Hassoun, A., Cropotova, J., Trollman, H., Jagtap, S., Garcia-Garcia, G., Parra-López, C., Nirmal, N., Özogul, F., Bhat, Z., Aït-Kaddour, A., & Bono, G. (2023).

Overcoming the coupled climate and biodiversity crises and their societal impacts.
Science,
Authors: Pörtner, H., Scholes, R. J., Arneth, A., Barnes, D. K. A., Burrows, M. T., Diamond, S. E., Duarte, C. M., Kiessling, W., Leadley, P., Managi, S., McElwee, P., Midgley, G. F., Ngo, H. T., Obura, D., Pascual, U., Sankaran, M., Shin, Y., & Val, A. L. (2023).

Reports

Kartleggingsrapport for matbransjen og forbrukerleddet.
NORSUS
Authors: STENSGÅRD, A., BERNTSEN, I., HOHLE, S., & CALLEWAERT, P. (2023).

Fragen und Antworten zum Lieferkettengesetz.
CSR in Deutschland

FAO Strategic Framework 2022 - 31.
Authors: FAO

WOAII Policy Briefs |Division for Ocean Affairs and the Law of the Sea.
Authors: UN

Achieving Net Zero Targets in the Ruminant Livestock Industry in the UK and Ireland.
EIT Foods.

Organic farming in the EU: a decade of growth.
European Commission - Agriculture and Rural Development

Sustainable seafood and small-scale fisheries.
IIED
Authors: Pita, C., & Ford, A. (2023).

CLIMATE CHANGE 2023 Synthesis Report
IPCC.

FOSTERING TRUST AND SECURITY FOR RESILIENT DIGITAL SUPPLY CHAINS.
Global Shippers Forum

Carbon Credits: Permission to Pollute, or Pivotal for Progress?
Sylvera

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DEVELOPMENT & IMPLEMENTATION OF NEW TECHNOLOGIES

Publications

Implementation of relevant fourth industrial revolution innovations across the supply chain of fruits and vegetables: A short update on Traceability 4.0. Food Chemistry
Authors: Hassoun, A., Kamiloglu, S., Garcia-Garcia, G., Parra-López, C., Trollman, H., Jagtap, S., Aadil, R. M., & Esatbeyoglu, T. (2023)
Best practices and current implementation of emerging smartphone-based (bio)sensors - Part 2: Development, validation, and social impact.
TrAC Trends in Analytical Chemistry
Authors: Geballa-Koukoula, A., Ross, G., Bosman, A., Zhao, Y., Zhou, H., Nielen, M., Rafferty, K., Elliott, C., & Salentijn, G. I. (2023).
Influence of the Electrolyte Salt Concentration on DNA Detection with Graphene Transistors.
Biosensors
Authors: Purwidyantri, A., Domingues, T., Borme, J., Marques, F., Ipatov, A., Abreu, C., Martins, M. D., Alpuim, P., & Prado, M. (2021).
Emerging risk identification in the food chain – A systematic procedure and data analytical options.
Innovative Food Science and Emerging Technologies
Authors: Farkas, Z., Országh, E., Engelhardt, T., Zentai, A., Süth, M., Csorba, S., & Jóźwiak, Á. (2023).
Plasmonic genosensor for detecting hazelnut Cor a 14-encoding gene for food allergen monitoring.
Analytica Chimica Acta
Authors: Moreira, P., Costa, J., Villa, C., Mafra, I., Brandão, A. T., Dias, C., Silva, A. F., Pereira, C. M., & Costa, R. (2023).
Examining the interplay between artificial intelligence and the agri-food industry.
Artificial Intelligence in Agriculture
Authors: Rejeb, A., Rejeb, K., Zailani, S., Keogh, J. G., & Appolloni, A. (2022).
Blockchain: an enabler for safe food in global supply networks.
In Elsevier eBooks
Authors: Keogh, J. G., Rejeb, A., Khan, N., & Zaid-Kaylani, K. (2023).

Reports

New data tool explores where the "food dollar" goes.
FAO
Foundation Earth LCA Methodology for the environmental assessment of food products.
Foundation Earth
Blockchain for agri-food: on the road to scale-up.
WUR
2022 Annual Report of the Advisory Group on Data. EFSA Supporting Publications
European Food Safety Commission
Authors: Colangeli, P., De Martino, M., Rasmussen, S. D., Foster, D., Sanchez, I. F., Fuchs, K., Jozwiak, Á., Maldonado, A., Nieminem, J., O'Dea, E., Rey, I. P., Raeke, J., Scharfenberg, E., Sokolic, D., Stack, M., Volatier, J., & Wienk, K. (2023).

TAKING THE FOOD SYSTEM APPROACH

Publications

The EU sustainable food systems framework - potential for climate action.
Npj Clim
Authors: Björkbom, C. (2023).
How food systems change (or not): governance implications for system transformation processes.
Food Security
Strategic Intelligence
World Economic Forum
Authors: Authors: Leeuwis, C., Boogaard, B., & Atta-Krah, K. (2021).
Below the Tip of the Iceberg: Why Systems Change is the Key to Scaling Innovations and Solving Development Challenges.
William Davidson Institute
Authors: Leacock, C. (2023).

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Reports

URBAN FOOD SYSTEM THINKING A Step-by-Step Guide for Practitioners.
WWF
Food Futures Insights.
CSEI
Four ways blue foods can help achieve food system ambitions across nations
Blue Food Assessment
Authors: Crona, B. et al (2023).
Our City's Food Future
Wellington City Council
The State of Food Systems Worldwide: Counting Down to 2030.
Authors: Schneider, K. (2023, March 23)
Guide on incentives for responsible investment in agriculture and food systems.
In FAO eBooks
Roadmap Financial Markets for Transforming the Global Food System.
Planet Tracker
SUSTAINABLE FOOD SYSTEMS LAW POLICY RECOMMENDATIONS FOR A MEANINGFUL TRANSITION.
ARC 2020

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