



1st International Conference ADIafrica Waste to Wealth
Towards Zero waste, Circular and Regenerative Economies

7 – 8 July 2022

Organized by



Africa Global Development for Positive Change Initiative

In collaboration with



The conference

Mission and Vision

ICAWW series of International Conferences aims at addressing all major topics of transforming exhausted utilities into valuable commodities through efficient waste management. Generating wealth from waste has been recognized as a major challenge for all international organizations, for all countries in the globe, their governments, and their respective organizations. Moreover, this series of conferences aims at addressing in depth all issues and challenges in the application of circular economy and sustainability model in the world economy. These conferences are planned to create an international platform for fostering discussions in depth between experts, academics, practitioners, industries as well as policy makers in the field of efficient waste management and transformation to wealth via innovative waste-to-wealth industrial frameworks towards zero waste solutions and moreover, to contribute in depth in the discussions of circular economy and sustainability models realization.

The 2022 ICAWW International Conference from Waste to Wealth is targeted to become the premier forum for the presentation of technological advances, research results, new products, projects, and policies as well as successful case studies for transforming waste to wealth and developing sustainable circular economy worldwide.

The aim is to create synergy between academy, business, and policymaking in the field of turning waste into wealth. Representatives of businesses and organizations, engineers and scientists from industry, government and policy makers, academia professors, researchers and students who want to report novel scientific results, case studies, good practices, technological and commercial products advancements in the multidisciplinary areas of waste to wealth developments, circular economy and sustainability progresses are invited to attend the ICAWW Conference and interact with major worldwide experts.

Topics

1. Advances, new solutions and challenges in the management of Liquid waste, Solid Waste, Organic Waste, Recyclable Waste and hazardous Waste.
2. Research and policy making advances and challenges regarding UNEP Eight Issues of Concern for Chemicals and Waste Management.
3. Current issues in Circular Economy and Sustainability
4. The Circular Economy: An Interdisciplinary Exploration of the Concept and Application in a Global Context.
5. Review of the circular economy concept and the expected transition to a balanced interplay of environmental and economic systems.
6. Closed-loop production systems - sustainable supply chain approaches
7. How circular is the global economy? Proposed Metrics and Assessment of material flows, E-waste flows, waste production, and recycling in the European Union and the world
8. Effectiveness of the policy of circular economy in the world, overview of the progress and challenges

9. 5R framework application in waste management: Reduce, Reuse, Recycle, Refuse and Respond. Engineering and policy making challenges and roadmap
10. Green chemistry, catalysis, and valorization of waste biomass.
11. Current options for the valorization of food manufacturing waste
12. Sustainability and in situ monitoring in battery and critical products development.
13. New perspectives in Waste biorefinery models towards sustainable circular bio-economy
14. Bio-derived materials as a green route for critical metal recovery and re-use.
15. Recovery and recycling of lithium and other critical materials
16. Overview and description of technologies for recovering important in production chemical substances from wastewater.
17. Product services for a resource-efficient and circular economy
18. Creating integrated business and environmental value within the context of circular economy and ecological modernization.
19. New Business models for circular economy, Product design and business model strategies for a circular economy.
20. Efficient Waste management and transformation to wealth engineering solutions and challenges.
21. Efficient Waste management and challenges for policy making.
22. Innovative industrial level waste transformations into wealth and their applications.
23. Value Based Recoveries from Waste Streams and Interdisciplinary Focusing on Waste to Wealth.
24. Integration of climate change and circular economy.

The above subtopics are indicative. The participants could also prepare presentations in close or interdisciplinary areas.

In the frame of the conference there will be:

1. Keynote speakers from the world of academia, business and policy making
2. Plenary Paper presentation of academic research
3. Poster presentations of academic research
4. Plenary video or powerpoint presentations of innovative businesses and organizations
5. Panel discussion between representatives of academia, business, and policy making

The Keynote Speakers and Panel Members

Keynote speakers



Opening of the conference by Dr Prince Dan Mbachii, International President ADIafrica, Nigeria.



Mr. Alexander Mangwiro, Regional Coordinator, Chemicals, Waste and Air Quality, UNEP, Kenya.

Topic: (coming soon)



Mrs. Anja Carron, President & Founder THEIA International and Global Chairperson for Circular Economy, President and Founder, Germany.

Topic: Back to the Future: When Tradition turns into Innovation and vice versa.



Mr. Patrick Janssen, DungDung and Hairrecycle, Founder, Belgium.

Topic: The Many Opportunities of Hair Recycling.



Mr. Kimmo Kontuniemi, PlasticOil, Chief Business Development Officer, Finland.

Topic: Chemical Recycling of Plastic Waste: Accelerates Circular Economy.



Dr. Peter Nitschke, Director for Community Partnerships, Plastic Bank, Canada

Topic: Preventing Ocean Plastic by Reducing Poverty.



Mr. Marnick Vanlee, Close the Gap, Senior Project Manager, Belgium.

Topic: Refurbishment and reuse of ICT hardware to Bridge the Digital Divide.



Prof. Subhash Tripathi, Associate Director-Research, GLA University, India.

Topic: Advances, New Solutions and Challenges in the Management of Liquid Waste, Solid Waste, Organic Waste, Recyclable Waste and Hazardous Waste.



Prof. Reis Mulita, Director of Projects Office and Internationalisation, CIT university, Tirane, Albania.

Topic: Circular Economy.



Dr. Enriko Ceko, Head of Business Administration & IT Department, CIT university, Tirane, Albania.

Topic: Waste Management in the Balkans.

Panel



Dr. Chris Sotiropoulos, Global Opportunities Commercialisation, Founder and CEO, Australia



Ms. Ingrid Rostad, Co-facilitator of NGO major group in United Nations Environment Programme (UNEP), a policy advisor in Norwegian forum for development and environment, Norway.



Prof. Dimitrios Karras, National & Kapodistrian University of Athens (NKUA), School of Science, Associate Professor, Greece.



Dr. Neyara Radwan, Mechanical Dept., Faculty of Engineering, Suez Canal University, Egypt & King Abdulaziz University, Saudi Arabia.



Mr. Muhammad Shafique, Chairman Wespak Welfare Trust (WWT), Pakistan.

The Organizing and Advisory International Committee Members

Mrs. Aisha Karanja, Back to Basics, Founder and CEO, Kenya.

Prof. Anita Freimann, J. J. Strossmayer University of Osijek, Faculty of Economics in Osijek, Croatia

Prof. Annelies Verdoolaege, Ghent University, Department of African Languages and Cultures, Belgium.

Dr. Biswajit Roy Chowdhury, South Asian Institute for Advance Research & Development (SAIARD), Founder Chairman, India.

Dr. Chris Sotiropoulos, Global Opportunities Commercialisation, Founder and CEO, Australia.

Mr. Dann Taneo Diez, Sustainable Energy and Enterprise Development for Communities Inc, Philippine Executive Director, Philippines.

Prof. Dimitrios Karras, National & Kapodistrian University of Athens (NKUA), School of Science, Greece.

Mr. James Jeong, IPYG, Deputy director Of IPYG Busan branch, South Korea.

Prof. emeritus Jan Degadt, KULeuven, Faculty of Economics and Business, Belgium.

Prof. Jelena Lonska, Rezekne Academy of Technologies, Latvia.

Mr. Kimmo Kontuniemi, PlasticOil, Chief Business Development Officer, Finland.

Dr. Khawla Al-Muhannadi, Environment Friends Society, President, Bahrain.

Mrs. Lubna Dawany, Family Development Association and Euromed for Rights, Attorney at Law, Jordan.

Prof. Neyara Radwan, Mechanical Dept., Faculty of Engineering, Suez Canal University, Egypt & King Abdulaziz University, Saudi Arabia.

Mr. Marnick Vanlee, Close the Gap, Senior Project Manager, Belgium.

Prof. Muthmainnah, Universitas Al Asyariah Mandar in West Sulawesi, Indonesia

Mr. Paolo Zaramella, Studio Centro Veneto, Certified Management Consultant, Italy.

Dr. Peter Nitschke, Plastic Bank, Director for Community Partnerships, Canada

Dr. Ria Aerts, GOC and ADIafrica, Director International Entrepreneurship, sustainability and empowerment and Director International Affairs Think Tank team ADIafrica, Australia.

Dr. Sanjay Kumar Bathar, Wave of Kindness, Founder and Medical Doctor, Pakistan.

Prof. Subhash Tripathi, Associate Director-Research, GLA University, India.

Mr. Sidi Rana Menggala, ADIafrica, Director of Agriculture, Belgium.

Dr. Vera Komarova, Daugavpils University, leading senior researcher, Latvia.

Academic Research papers

All papers and reports will be peer reviewed by the international committee. Well defined Novelty and Contribution in the fields of the conference will be the primary criteria for acceptance of the intended submissions.

All accepted and presented papers and case studies/project reports will be published as extended abstracts in the conference proceedings with ISBN Number and will be permanently online in the ICAWW conferences website. ISBN conference proceedings with abstracts and extended abstracts will be indexed by Google scholar.

After the conference the authors of only registered and presented papers will have the opportunity to submit their corresponding full paper for publication at **IOP Conference Series: Earth and Environmental Science (IOP EES, (<https://iopscience.iop.org/journal/1755-1315>), indexed in SCOPUS and Web of Science, <https://publishingsupport.iopscience.iop.org/questions/proceedings-are-abstracted-in/>)** after undergoing a fast and extra peer-reviewing process. In addition, Extended versions, at least 50% different in content, of the latter full paper submitted for publication at IOP EES could be submitted to the planned special issues too in journals, including SCOPUS/SCIE journals.

The following list of special issues will be updated shortly.

- 1) Special issues: Advances in Material Research For Zero Waste And Circular Economy, in the journals KEM/MSF/SSP/DDF/AMR/AMM/EI/AEF (KEM/MSF/SSP/DDF – SCOPUS/SCIE journals 70 EUR/paper publication fee, AMR/AMM/EI/AEF – free of charge online publication) <https://www.scientific.net/>
- 2) Special Issue: Advances in Waste to Wealth Engineering and Management Sustainable Developments towards Circular Economy, <https://spast.org/ojspath/announcement/view/18> , journal Sustainable Solutions and Society, <https://www.spast.org/index.php/ojspath/index>
- 3) Papers minimum 13 pages and over will be considered for publication in the Social Sciences Bulletin. More information can be found here <https://old.du.lv/en/research/scientific-periodicals/social-sciences-bulletin/>

CONTRIBUTIONS SUBMISSION GUIDELINES can be found on our website www.adiafricadev.org. Papers should be maximum 20 pages and presentations maximum 15 min. SUBMISSION LINK for papers: <https://conferences.uoa.gr/e/ICAWW>.

Timetables and Deadlines

- **30 JUNE, 2022:** Short abstract (500 words) of paper and full videos of businesses.
- **Before 3 JULY, 2022:** Notification of Acceptance for inclusion in the book of extended abstracts and permanent presence in the conference website
- **10 AUGUST, 2022:** Extended Abstracts (minimum, 1500 words and max 2500 words) Submission Deadline for inclusion in the conference proceedings with ISBN Number and being permanently online in the ICAWW conferences website
- **10 AUGUST, 2022:** Full papers Submission deadline, of the registered and presented only at the conference papers for possible publication at IOP EES conference proceedings as well as at several journal special issues planned after peer reviewing.
- **10 SEPTEMBER 2022:** Notification of Acceptance of full papers
- **30 SEPTEMBER 2022:** Camera Ready Full Papers submission deadline for IOP EES and journal special issues for after conference publications

Awards

Award for the best paper presentation: 500 euros

Award for best business video or presentation: 500 euros

Conference Schedule

We will provide you with actual and more detailed information about the timetable (especially about the timing of your presentation) via e-mail and, of course, before your arrival.

Thursday 7 July 2022

8.30 am: Registration

9.00am: Keynote speakers

- *Opening of the conference by Dr Prince Dan Mbachii, International President ADIafrica, Nigeria.*
- *Mr. Alexander Mangwiro, Regional Coordinator, Chemicals, Waste and Air Quality, UNEP, Kenya. Topic: (coming soon)*

10.00am: Coffee

10.30am: Keynote speakers

- *Mr. Marnick Vanlee, Close the Gap, Senior Project Manager, Belgium. Topic: Refurbishment and reuse of ICT hardware to Bridge the Digital Divide.*
- *Prof. Reis Mulita, Director of Projects Office and Internationalisation, CIT university, Tirane, Albania. Topic: Circular Economy.*
- *Dr. Peter Nitschke, Director for Community Partnerships, Plastic Bank, Canada. Topic: Preventing Ocean Plastic by Reducing Poverty.*

12.00pm: Break

1.00pm: Paper presentations (academic) with after every paper a 5 min company or organization presentation via video or powerpoint.

3.00pm: Coffee

3.30pm: Paper presentations (academic) with after every paper a short 5 min company or organization presentation via video or powerpoint

5.00pm: Highlights and summary of first day.

5.30pm: End of first day.

Friday 8 July 2022

8.30am: Registration

9.00am: Keynote speakers

- *Mrs. Anja Carron, President & Founder THEIA International and Global Chairperson for Circular Economy, President and Founder, Germany. Topic: Back to the Future: When Tradition turns into Innovation and vice versa.*
- *Mr. Patrick Janssen, DungDung and Hairrecycle, Founder, Belgium. Topic: The Many Opportunities of Hair Recycling.*

10.00am: Coffee

10.30am: Keynote speakers

- *Dr. Enriko Ceko, Head of Business Administration & IT Department, CIT university, Tirane, Albania. Topic: Waste Management in the Balkans.*

- *Mr. Kimmo Kontuniemi, PlasticOil, Chief Business Development Officer, Finland. Topic: Chemical Recycling of Plastic Waste: Accelerates Circular Economy.*
- *Prof. Subhash Tripathi, Associate Director-Research, GLA University, India. Topic: Advances, New Solutions and Challenges in the Management of Liquid Waste, Solid Waste, Organic Waste, Recyclable Waste and Hazardous Waste.*

12.00pm: Break

1.00pm: Panel discussion with

- *Dr. Chris Sotiropoulos, Global Opportunities Commercialisation, Founder and CEO, Australia*
- *Ms. Ingrid Rostad, Co-facilitator of NGO major group in United Nations Environment Programme (UNEP), a policy advisor in Norwegian forum for development and environment, Norway.*
- *Prof. Dimitrios Karras, National & Kapodistrian University of Athens (NKUA), School of Science, Associate Professor, Greece.*
- *Dr. Neyara Radwan, Mechanical Dept., Faculty of Engineering, Suez Canal University, Egypt & King Abdulaziz University, Saudi Arabia.*

3.00: Coffee

3.30pm: Paper presentations (academic) with after every paper a short 5 to 10 min company or organization presentation.

5.00pm: Award presentations.

5.30: Farewell and till next year.

Conference fees

There are two ways to participate in the conference: in-person or virtual.

Virtual conference fees for 2 days

Virtual participation		
	No Member	Member
Students*	150 €	135 €
Participants	250 €	225 €
Government officials	800 €	720 €

* Submit Student card when registering

Participants who are a member of ADIafrica receive a 10% discount.

Participants who have registered and paid the full fee for the virtual conference are entitled to:

- Full participation in the conference
- Conference documentation
- Digital copy of the proceedings
- Video of the main conference presentations
- Possibility to present a paper
- Admission to the best paper award competition – 500 euro

Virtual conference fees for 1 day

Participants who only participate virtually Thursday, or Friday pay 50 € to attend one of these 2 days. In case participants attend 2 days, regular virtual conference fees apply.

No membership discounts.

Please note that these participants will not receive a digital copy of the proceedings or a video of the main presentations. They are not allowed to present a paper.

Registration for Conference & sponsoring possibilities

On the website www.adiafricadev.org information and forms are found to

- Register and pay for the conference
- Sponsor the conference

More information is available via

ADlAfrica Secretariat

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Whatsapp: +234 701 245 8654

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Website: www.adiafricadev.org

Cancellation Policy

All cancellations of Registration should be sent in written to contactus@adiafricadev.org before 1 May 2022. For cancellations received by 1 May 2022, 50% of the Registration fee will be reimbursed, less the bank charges incurred. In case of cancellation after 1 May 2022, no reimbursement will occur.

Integrity

ADlAfrica is a non-government organization. All monies left after costs will be used to fund humanitarian projects in the field of education, health, poverty reduction, environment protection, and peace building.

Official Language

The official language for the conference is English. Presentations are to be held in English and also the papers in the proceedings will be published in English

Insurance

Registration fees do not include insurance of any kind. The Conference Secretariats cannot accept liability for personal injuries sustained, or for lost or damage of property belonging to conference participants, either during or subsequent to the conference. You are kindly requested to check the validity of your own insurance before attending the conference.