

AGYA NEWSLETTER

03/2026



Dear colleagues and friends of AGYA,

In this newsletter edition, we invite you to explore AGYA's innovative research projects spanning a diverse range of topics, from smart farming technologies and circular economy solutions to neurodiversity inclusion, heritage visualisation, and the dynamics shaping urban environments.

We are also excited to announce the launch of the new season of the AGYA podcast *QIYADA*. This season explores leadership through a more human-centred lens, offering fresh insights that go beyond traditional leadership frameworks.

Please do not forget to check out our latest calls, publications, and upcoming events.

We wish you an inspiring read!

The AGYA Team

AGYA IN FOCUS



Virtual Modelling Project
Digital Twins for Energy-Water-Food Nexus Optimisation

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Laboratory Study
Algae for Resilience: Sustainable Protein Production

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Laboratory Studies and Publication
Turning Waste into Wealth: The AGYA Playbook on Circularity

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Policy Brief
Building Supportive Communities for Neurodivergent Families

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Computational Modelling
Legolization of Monuments in the Arab World

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Research Mobility Project
Mapping Urban Knowledge Across the Mediterranean

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AGYA CALLS FOR CONTRIBUTIONS

International Bilingual Summer School
Aesthetic Pleasure and Eclectic Delight: Arabic Literature and Arts Beyond Canonical Duty

AGYA invites applications for a summer school exploring critical approaches to the Arabic literary tradition through artistic experimentation and literary pleasure.

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International Conference
Traditional Architecture and Local Materials for Sustainable Housing in the Middle East and North Africa

AGYA invites contributions for a conference that explores the sustainability of traditional building forms and materials by integrating energy efficiency assessment and socio-economic perspectives.

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Book Publication
Digital Twins in Action

AGYA invites contributions from researchers and practitioners to an edited volume that highlights methods, tools, and real-world applications of digital twins across science, engineering, and industry for Energy-Water-Food Nexus optimisation.

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International Workshop
Translation and Multilingualism across the Premodern Arabo-Islamic World and Europe

AGYA invites contributions for a workshop that examines multilingualism and translation across the premodern Mediterranean, Arabo-Islamic world, and Europe as processes of negotiation, transformation, and co-production.

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AGYA PODCAST



QIYADA Season 2 – Spotlight on Humane Leadership

How can leadership become more humane in a world increasingly driven by performance, pressure, and rapid change? In Season 2, we explore what it truly means to lead with empathy, ethics, and long-term impact. Tune in to the first episode!

[LISTEN HERE >](#)

LATEST AGYA PUBLICATIONS

Juliane Pfeil, **Ahmad Amro**, Marcus Frohme, Nils Körber, Daniel Lode, Torben Gloyer, Aisha Gashout, Hamida Al-Dwibe, Alina Nechyporenko (2026). Decision-support system for live detection of Leishmania parasites from microscopic images with deep learning. BMC Infectious Diseases, Volume 26/839.

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Melissa Sahyoun, Joyce Rouhana, **Hiba N. Rajha**, Nassim Fares, **Sascha Hein** (2026). The impact of Argentinian tango on Lebanese adults' mental health and well-being. Discover Psychology, Volume 6/106.

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Khitma A. Sir Elkhatim, Manhal Gobara Hamid, Mahbubjon Rahmatov, Mohammed Elsayf, **Tilal Abdelhalim** (2026). Indigenous fermentation and women-led processing stabilize sensory quality of pearl millet for future food systems. Future Foods, Volume 13, June 2026, 101018.

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Aboubakr El Hammoumi, **Saad Motahhir** (eds.) (2026). Embedded Systems in Automotive Applications. Elsevier.

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Lobna Said, Sahar Selim, Hana M. Nassef, Mohamed A. Abdelhamed, Sara Abdelnasser (2026). AuraViT-FL: A Resource-Efficient 2D Hybrid Transformer Framework for Federated Lung Tumor Segmentation. Machine Learning and Knowledge Extraction, 8(2), 34.

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SELECTED UPCOMING EVENTS

11 - 14 August 2026
Hamburg

Internal AGYA Working Group Meeting
'Preservation of Cultural Heritage - Artefacts, Built Environment & Cultural Practices'
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13 - 18 September 2026
Abu Dhabi

AGYA at the Abu Dhabi International Book Fair 2026
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21 - 23 October 2026
Bonn

AGYA Annual Conference
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