



Dear colleagues and friends of AGYA,

We are proud that AGYA successfully expanded its network of excellence in Jordan and the region in the framework of the AGYA Summer School on new energy technologies. During strategic meetings, AGYA Principal Investigator Prof. Dr. Verena Lepper initiated new collaborations in research, science policy, and education.

Moreover, we are delighted to announce the new event series 'AGYA Literary Salon', hosting both established and emerging Arab and German authors such as Dr. Muhsin al-Ramli, Maha Hassan, and Dr. Daniela Danz. We kindly invite you to join our discussion of their literary careers, visions, and latest works.

This newsletter also provides insights into AGYA's current research projects, publications, and videos on topics such as energy economics, vertical farming, food safety and cultural heritage. Please do not forget to check out our latest success stories in the field of science communication.

We wish you an inspiring read!

The AGYA Team

AGYA IN FOCUS



Expanding the German-Jordanian Network in New Energy Technologies

AGYA Summer School on Quantum Materials in Amman opened doors for future collaborations in research, science policy, and education in the region.

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Green Hydrogen and Energy Economics in Arab World and Germany

How to decarbonise energy economies? Watch the AGYA panel discussion of high-ranking Kuwaiti, Tunisian, and German stakeholders and scientists.

[WATCH HERE >](#)



Food Safety Meets Cultural Heritage

Spices, herbs, and oils are precious goods, and their preservation is of high relevance due to global consumption. This AGYA project combines research in the field of food chemistry with cultural history.

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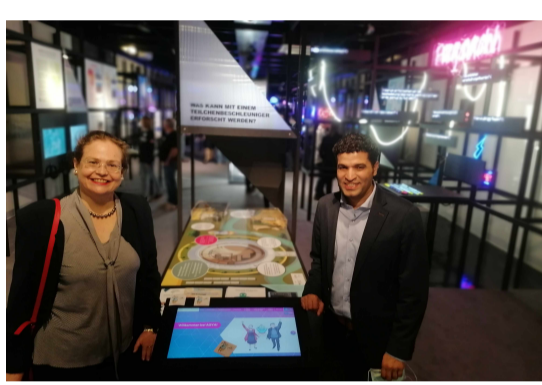


Potential of Vertical Farming Systems

Scientists, farmers, and start-up initiators from Arab countries and Germany jointly analysed and tested technological innovations for sustainable and low-cost urban farming systems.

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SUCCESS STORIES OF SCIENCE COMMUNICATION



AGYA on Tour with MS Wissenschaft

AGYA highlighted the interdisciplinary research possibilities of synchrotrons with the interactive media station 'AGYA picks up the pace' on the German science ship MS Wissenschaft.

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Transformations of Life and Research

AGYA offered a diverse programme at BBAW's Salon Sophie Charlotte 2022 discussing biographies of Berlin's Arab exile community, Berlin as a megacity, and post-pandemic knowledge production.

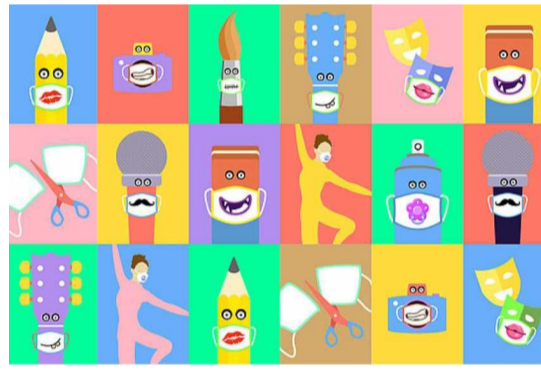
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CALLS FOR PARTICIPATION

Surmounting the COVID-19 Pandemic through Art and Comedy

The contest looks for student ideas promoting the health of children and their families through e.g., comic, animation, or digital storytelling.

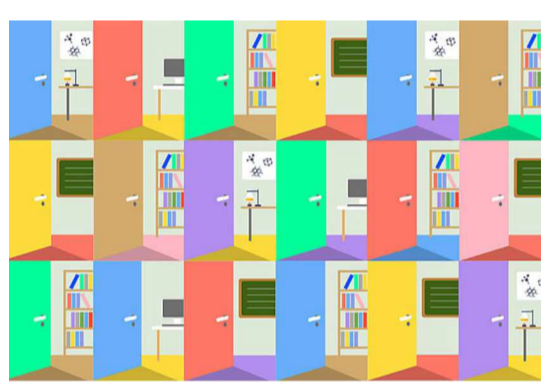
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Learning Can't Wait: Keep the Doors to Education Open

The contest invites students to submit ideas promoting education or health during the ongoing challenges and difficulties caused by the pandemic.

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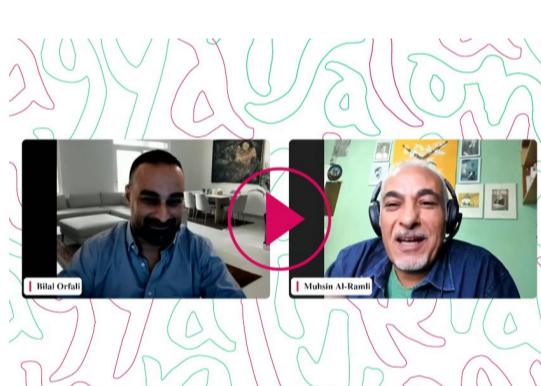
SELECTED VIDEOS



Antibiotics - Less is More

The awareness campaign in Tunisia tackles the problem of antibiotic misuse and resistance.

[WATCH VIDEO >](#)



Iraq, Dreams, and Expression

AGYA Literary Salon with Muhsin al-Ramli explores how to write Arabic literature in Spain and how to produce meaning across languages (discussion in Arabic).

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PUBLICATIONS

Stefan Maneval (ed.) (2022). Faith Travels by Streetcar. Falschrum Books

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Philipp Blechinger, Zakia Soomaroo, Mai Al-Battat, Peter Wallmüller (2022). Concepts for Sustainable Urban Mobility: Bottom-up Approaches and Case Studies. E-Paper.

[READ MORE >](#)

Jan Busse, René Wildangel (ed.) (2022). Das rebellische Spiel - Die Macht des Fußballs im Nahen Osten und die Katar-WM. Werkstatt Verlag

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Hichem Ferhati, **Fayçal Djefal**, **Lalla Btissam Drissi** (2022). Metaheuristic-based Decision Maker Framework for the Development of Multispectral IGZO Thin-film. Journal of Science: Advanced Materials and Devices, 7(1) Phototransistors.

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Shahd Alshammari, **Rami Chahin** (2022). Hip-Hop in the Arab World and Kuwait. New Middle Eastern Studies, Vol. 11, No. 1 & 2.

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Mohamed Kouhen, Pedro García-Caparrós, Richard M. Twyman, Chedly Abdely, **Henda Mahmoudi**, Stefan Schillberg, **Ahmed Debez** (2022). Improving Environmental Stress Resilience in Crops by Genome Editing: Insights From Extremophile Plants. Critical Reviews in Biotechnology.

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Eveen Al-Shalabi, PLMAH Abusulieh, Alaa M. Hammada, **Suhair Sunoqrot** (2022). Rhoifolin loaded in PLGA nanoparticles alleviates oxidative stress and inflammation in vitro and in vivo. Biomaterials Science.

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UPCOMING EVENTS

30 - 31 October 2022
Benghazi

International Conference 'Electrical Engineering and Information Technology (ICEEIT)'

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7 November 2022
online

Panel Discussion 'The Power of Football in the Arab World and Germany'

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8 November 2022
online

Impulse Lecture & Discussion 'Imagining the Future: Science Fiction & Technological Innovation'

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9 November 2022
online

AGYA Literary Salon 'Maha Hassan - War, Writing, and Freedom'

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