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The transformation of science systems in the Middle East and North Africa

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About the Author



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Jamal El Ouahi was born in Cherbourg (France) on June 13th, 1983. Jamal received his Baccalauréat in Mathematics with honors, from Lycée Jean-Francois Millet (Cherbourg) in 2001. Next, he prepared for the Grandes Écoles with a 2-year intensive coursework in Mathematics, Physics and Chemistry at the Lycée Victor Grignard (Cherbourg). In 2006, he received his Master of Sciences in multidisciplinary Engineering from École Centrale Marseille in France, with a major in Applied Mathematics and his Master of Sciences specialized in Computational and Applied Mathematics the same year from University of Provence Aix-Marseille. He started his career at Allianz in Paris, working as an Actuary. Later, he worked as a Project Manager for Credit Agricole Corporate Investment Bank in Dubai and then in Tokyo where he led several Business Transformation and Information Technology/Software/Data projects.

He joined Thomson Reuters in 2010 as a Solutions Consultant for the Middle East and Africa Region. He first worked for the Financial and Risk division of Thomson Reuters and then for the Intellectual Property & Science division. Jamal is now a consultant at Clarivate, where he collaborates with Governments, Funding Agencies, Universities and Research Centers.

Jamal started his PhD studies at the Centre for Science and Technology Studies (CWTS) of Leiden University in 2018 under the co-supervision of Prof. Dr. Ludo Waltman and Dr. Thomas Franssen. Jamal's PhD project mainly focuses on the topics of research evaluation and quantitative science studies with a focus on Middle East and North Africa. During his PhD, he has published several papers in the leading international peer reviewed journals and conference proceedings. Jamal has also served as a reviewer of journals in the field, including *Quantitative Science Studies*, *Scientometrics*, *Social Sciences* and *Frontiers in Research Metrics and Analytics*.

List of publications

International peer reviewed journal articles:

- El-Ouahi, J.**, Robinson-García, N., & Costas, R. (2021a). Analyzing scientific mobility and collaboration in the Middle East and North Africa. *Quantitative Science Studies*, 2 (3), 1023–1047. https://doi.org/10.1162/qss_a_00149
- El-Ouahi, J.**, & Larivière, V. (2023). On the lack of women researchers in the Middle East and North Africa. *Scientometrics*, 128(8), 4321-4348. <https://doi.org/10.1007/s11192-023-04768-5>
- El-Ouahi, J.** (2023a). The Arabic Citation Index - Toward a better understanding of Arab scientific literature. *Quantitative Science Studies*, 4 (3), 728–755. https://doi.org/10.1162/qss_a_00261
- El-Ouahi, J.** (2024a). Research Funding in the Middle East and North Africa: Analyses of Acknowledgments in Scientific Publications indexed in the Web of Science (2008-2021). *Scientometrics*. <https://doi.org/10.1007/s11192-024-04983-8>
- El-Ouahi, J.** (2024b). Scientometric Rules as a Guide to Transform Science Systems in the Middle East & North Africa. *Scientometrics*, 129, 869-888. <https://doi.org/10.1007/s11192-023-04916-x>

International peer-reviewed conference paper:

- El-Ouahi, J.** (2021, Jul 12-15). Early insights into the Arabic Citation Index. Paper presented at the *18th International Conference on Scientometrics and Informetrics (ISSI)*, KU Leuven, Belgium.

Pre-prints:

- El-Ouahi, J.** (2023b) Examining the Patenting Activities of Universities in the Middle East and North Africa, Preprint (Version 1) available at Research Square <https://doi.org/10.21203/rs.3.rs-2895322/v1>

Scientific reports:

- Jonathan Adams J., **El-Ouahi, J.**, Pendlebury D., Szomszor M. (2021). Global Research Report: The changing research landscape of the Middle East, North Africa and Turkey. <https://clarivate.com/lp/the-changing-research-landscape-of-the-middle-east-north-africa-and-turkey/>

El-Ouahi, J. (2017). Research and Innovation in Africa - A briefing paper. <https://clarivate.com/webofsciencgroup/campaigns/research-and-innovation-in-africa/>

Datasets:

El-Ouahi, J., Robinson-García, N., & Costas, R. (2021b). Analysing Scientific Mobility and Collaboration in the Middle East and North Africa [Dataset]. <https://doi.org/https://doi.org/10.5281/zenodo.5155979>

El-Ouahi, J. (2023c). Research Funding in the Middle East and North Africa: Analyses of Acknowledgments in Scientific Publications indexed in the Web of Science (2008-2021) [Dataset]. <https://doi.org/https://doi.org/10.5281/zenodo.8337086>

Invited talks:

El-Ouahi, J., “The Arab Impact Factor: Directions & Challenges” [Panel Discussion]. Hosted by Kuwait University (February 2024) in the Cultural Center in Sabah Al-Salem University City.

El-Ouahi, J., “Funding structure of Qatari research institutions and their co-authorship networks in the Web of Science” [Presentation]. Hosted by Qatar Research, Development and Innovation Council in Qatar (October 2023) in Qatar Science & Technology Park, Doha, Qatar.

El-Ouahi, J., “Landscape analyses of Saline Water Conversion Corporation (SWCC) research activities” [Presentation]. Hosted by SWCC in Al-Jubail, Saudi Arabia (August 2023).

El-Ouahi, J., “Gender gaps in science” [Webinar]. Global Business Lecture Series 2021. Organized by University of Colombia Bolivar, School of Business. Universidad Tecnológica de Bolívar.

El-Ouahi, J., “Research excellence day - Assessment of scientific research and scientometrics”. Hosted by National Center for Scientific and Technical Research (CNRST) in Rabat, Morocco (July 2019).

El-Ouahi, J., “Citation-based Indicators, scientific collaboration and funding patterns”. Hosted by National Center for Scientific and Technical Research (CNRST) in Rabat, Morocco (January 2019).

