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

El Ouahi, J.

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**The Transformation of Science Systems in
the Middle East and North Africa**

Jamal El Ouahi



**Universiteit
Leiden**
The Netherlands

The Transformation of Science Systems in the Middle East and North Africa

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Promotores en promotiecommissie

Promotor:

Prof.dr. L.R. Waltman

Co-promotor:

Dr. T.P. Franssen

Leden Promotiecommissie:

Prof.dr. B.A. Barendregt (decaan/voorzitter)

Prof.dr. R.J.W. Tijssen

Dr. I. Ráfols García

Prof.dr. J. Chataway (University College London, United Kingdom)

Dr. S. Mahroum (New-York University Abu Dhabi, United Arab Emirates)

Quotes

اقْرَأْ وَرَبُّكَ الْأَكْرَمُ
الَّذِي عَلَّمَ بِالْقَلَمِ
عَلَّمَ الْإِنْسَانَ مَا لَمْ يَعْلَمْ

“Read, and your Lord is the most Generous,
Who taught by the pen,
Taught Humanity what it knew not.”

Holy Quran (Surah 96, The Clot, Verses 3 to 5)

[...] وَقُلْ رَبِّ زِدْنِي عِلْمًا

“[...] and say: My Lord, increase my
knowledge.”

Holy Quran (Surah 20, Ta-Ha, verse 114)

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List of Abbreviations

AGR	Agricultural Sciences
AHCI	Arts and Humanities Citation Index
ANZ	Australia and New-Zealand
APAC	East Asia and Pacific
APC	Article Processing Charges
API	Application Programming Interface
ARCI	Arabic Citation Index
ASJP	Algerian Scientific Journal Platform
BRICS	Brazil, Russia, India, China and South Africa
CC	Creative Commons
CNEAI	Spanish Commission for the Evaluation of Research Activity
COARA	Coalition for Advancing Research Assessment
CONICET	National Scientific and Technical Research Council in Argentina
CPEC	China-Pakistan Economic Corridor
CU	Country name in the Web of Science
CWTS	Centre for Science and Technology Studies
DFAJ	Directory of Free Arab Journals
DOAJ	Directory of Open Access Journals
DOI	Digital Object Identifier
DORA	San Francisco Declaration on Research Assessment

DP	Domestic Publication
DPWFA	Domestic Publication with Funding Acknowledgment
EKB	Egyptian Knowledge Bank
ENG	Engineering & Technology
ESCI	Emerging Sources Citation Index
ESI	Essential Science Indicators
EU	European Union
EUCA	Europe-Central Asia
FA	Funding Acknowledgment
FCU	Country of the Funder
FD	Funding Details
FO	Name of the Funding Organization
FOS	Fields of Science and Technology
FR	Grant Number
FT	Funding Text
GCC	Gulf Cooperation Council
GDP	Gross Domestic Product
GERD	Global Expenditure on Research and Development
GOAP	Global Open Access Portal
HEC	Higher Education Commission in Pakistan
HIOECD	High Income OECD
HUM	Humanities

IASJ	Iraqi Academic Scientific Journal platform
IP	International Publication
IPWFA	International Publication with Funding Acknowledgment
ISC	Islamic World Science Citation
ISI	Institute for Scientific Information
ISSN	International Standard Serial Number
JCR	Journal Citation Reports
JIF	Journal Impact Factor
KAUST	King Abdullah University of Science and Technology
KSA	Kingdom of Saudi Arabia
LATAM	Latin America and Caribbean
LDA	Latent-Dirichlet Allocation
LSA	Latent Semantic Analysis
MED	Medical & Health Sciences
MENA	Middle East and North Africa
MSA	Modern Standard Arabic
NAT	Natural Sciences
OA	Open Access
OECD	Organisation for Economic Co-operation and Development
OIC	Organization of Islamic Cooperation
ORCID	Open Researchers and Contributor ID
PLSA	Probabilistic Latent Semantic

QNRF	Qatar National Research Fund
QS	Quacquarelli Symonds
RDE	Research and Development Expenditure (As % of GDP)
SA	South Asia
SCI	Science Citation Index
SCIE	Science Citation Index Expanded
SDG	Sustainable Development Goal
SJR	Scientific Journal Rankings
SOC	Social Sciences
SSA	Sub Saharan Africa
SSCI	Social Sciences Citation Index
SSH	Social Sciences and Humanities
STEM	Science, Technology, Engineering, and Mathematics
STI	Science, Technology and Innovation
THE	Times Higher Education
UAE	United Arab Emirates
UK	United Kingdom
ULAKBIM	Turkish Academic Network and Information Center
UNDP	United Nations Development Programme
UNESCO	United Nations Educational, Scientific and Cultural Organization
WBL	Women, Business and the Law
WoS	Web of Science

