

PERSONAL INFORMATION

## Adil SALHI



Prof, PhD | 46 y.o. | Moroccan

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### Profil

Best Arab Scientist (2024) | Best Francophone Scientist (2019)

Ambassador of the Arab Scientific Community Organization

Coordinator of UNIMED Subnetwork on Climate & Environmental Change

Professor (Full) with 16 years of experience | International Expert (EU, UN, UNIMED) | 18 Researcher Awards

Laboratory Head | Principal Investigator of many International Projects

HDR (Post-Doc in Geography) | 2 PhDs, 3 Master's Degrees and BSc in Applied Earth Science

Field of Expertise: Multidisciplinary (Earth Science, Hydrology, Environment, GIS & Remote Sensing, Geography, Statistical Analysis)

### Summary

55 + 3 under review

Peer-reviewed indexed Articles (28 Q1, 7 Q2, 2 Q3, and 18 Q4) + under review (3) + 56% as 1<sup>st</sup> author

20 Research and Development reports

4 Books

14 Referee for Peer-reviewed Indexed Journals ([Publons ID: J-6172-2019](#))

8 Rapporteur/Reviewer Expert for International Organizations

15 Projects & Collaborations

19 Expertise and Consulting Projects

22 International Communications

Dozens Speaker and/or Organizer of International Scientific Events

7 Education (University Diplomas)

19 Awards, Grants & Scholarships

+15 Years of Work Experience

5 Languages (Languages: Fluent in Arabic, French, English, and Spanish; basic knowledge of Catalan)

### 40 articles / last 5 years *Out of 55 peer-reviewed indexed articles*

- Continental patterns of urban eco-climatic vulnerability and thermal stress in a warming Africa. (*Under review*)  
**npj Urban Sustainability**
- Structural barriers to climate and environmental education in Mediterranean universities. (*Under review*)  
**International Journal of Sustainability in Higher Education**
- Geoheritage assessment and geotourism planning in Tangier (Morocco). (*Under review*)  
**Geoheritage**
- [Behavioral paradoxes and institutional drivers of climate adaptation among Moroccan farmers](#). (2025)  
**Discover Geoscience**
- [Mitigation erosion and enhancing sediment retention: a modeling approach to sustainable land management](#). (2025)  
**Earth Systems and Environment**
- [Pathways for effective engagement of the youth in climate and migration advocacy](#). (2025)  
**Environmental Development**

- [Soil erosion susceptibility maps and raster dataset for the hydrological basins of North Africa.](#) (2025)  
**Nature Scientific Data**
- [Growing soil erosion risks and their role in modulating catastrophic floods in North Africa.](#) (2024)  
**International Journal of Applied Earth Observation and Geoinformation**
- [Flooding in semi-unformal urban areas in North Africa: Environmental and psychosocial drivers.](#) (2024)  
**Science of The Total Environment**
- [Long-term hydroclimatic projections and climate change scenarios at a national scale in Morocco.](#) (2024)  
**Journal of Environmental Management**
- [Enhancing flood forecasting accuracy in data-scarce regions through advanced modeling approaches.](#) (2024)  
**Journal of Hydrology**
- [Coastal satellite urbanization in the global south: Dynamics, sustainability dilemmas, and pathways for Martil, Morocco.](#) (2024)  
**Cities**
- [SESMAR - Soil Erosion Susceptibility Maps And Raster dataset for the hydrological basins of North Africa.](#) (2024)  
**Zenodo**
- [Refining erosion assessment with NDVI-based modeling: a case study in diverse climatic zones](#) (2024)  
**Mediterranean Geoscience Reviews**
- [Assessing Hydrological Drought in the Nekor Watershed Using the Streamflow Drought Index – Patterns, Trends, and Implications.](#) (2024)  
**Ecological Engineering & Environmental Technology**
- [Balancing Environmental and Human Needs: Geographic Information System-Based Analytical Hierarchy Process Land Suitability Planning for Emerging Urban Areas in Bni Bouayach Amid Urban Transformation.](#) (2024)  
**Sustainability**
- [Soil erosion and hydro-climatic hazards in major African port cities: the case study of Tangier.](#) (2023)  
**Scientific Reports**
- [Leveraging emotional connections for climate change action: the power of solidarity and a common cause.](#) (2023)  
**Mitigation and Adaptation Strategies for Global Change**
- [Soil erosion assessment using the RUSLE model for better planning: a case study from Morocco.](#) (2023)  
**Modeling Earth Systems and Environment**
- [Impact of massive development projects on ecosystem services in Mediterranean rural landscapes.](#) (2023)  
**Remote Sensing Applications: Society and Environment**
- [The downstream impact of the first and second filling of the Grand Ethiopian Renaissance Dam.](#) (2023)  
**Sustainable Water Resources Management**
- [Correction to: Soil erosion assessment using the RUSLE model for better planning: a case study from Morocco.](#) (2023)  
**Modeling Earth Systems and Environment**
- [Statistical analysis of long-term precipitation in the Maghreb reveals significant changes in timing and intensity.](#) (2022)  
**Theoretical and Applied Climatology**
- [Spatial patterns of environmental degradation and demographic changes in the Mediterranean fringes.](#) (2022)  
**Geocarto International**
- [Hydrogeochemical and statistical approach to characterize groundwater salinity in the Ghiss-Nekkor coastal aquifers in the Al Hoceima province, Morocco.](#) (2022)

### Groundwater for Sustainable Development

- [A new decision-oriented groundwater protection model: framework and implementation in a case study in Morocco.](#) (2022)  
Sustainable Water Resources Management
- [The Anthropocene: an interpretation from the Geography](#) (2022)  
Documents d'Anàlisi Geogràfica
- [Comparative study of saltwater intrusion in coastal aquifers: application to the aquifer of Oued Laou \(Morocco\).](#) (2022)  
Boletín Geológico y Minero
- [Impacts and social implications of landuse-environment conflicts in a typical Mediterranean watershed.](#) (2021)  
Science of The Total Environment
- [Soil Erosion Assessment and Farmers' Perception in South Mediterranean Basins: A Moroccan Case Study](#) (2021)  
Environmental Science and Engineering
- [Comparative assessment of different reference evapotranspiration models towards a fit calibration for arid and semi-arid areas.](#) (2021)  
Journal of Arid Environments
- [Modelling Flood Risk in Rural Areas: The Case of the Arbaa Taourirt Centre \(Morocco\)](#) (2021)  
Environmental Science and Engineering
- [Mapping and Characterization of Phenological Changes over Various Farming Systems in an Arid and Semi-Arid Region Using Multitemporal Moderate Spatial Resolution Data](#) (2021)  
Remote Sensing
- [Evaluation of TRMM 3B42 V7 Rainfall Product in Morocco](#) (2021)  
Environmental Science and Engineering
- [Critique of a published paper: "Local risk awareness and precautionary behaviour in a multi-hazard region of north Morocco"](#) (2021)  
International Journal of Disaster Risk Reduction
- [The Contribution of the Costs of Agricultural Inputs \(to\) Wheat Grain Yield: Morocco as a Case Study](#) (2021)  
Environmental Science and Engineering
- [Bridging the gap of perception is the only way to align soil protection actions.](#) (2020)  
Science of The Total Environment
- [Assessment of Geosites in Northern Morocco: Diversity and Richness with Potential for Socioeconomic Development](#) (2020)  
Geoheritage
- [Analysis and trends of rainfall amounts and extreme events in the Western Mediterranean region.](#) (2020)  
Theoretical and Applied Climatology
- [Derivation of air temperature of agricultural areas of Morocco from remotely land surface temperature based on the updated Köppen-Geiger climate classification.](#) (2019)  
Modeling Earth Systems and Environment
- [Goelectrical investigations for aquifer characterization and geoenvironmental assessment in northern Morocco](#) (2019)  
Environmental Earth Sciences
- [Rainfall distribution and trends of the daily precipitation concentration index in northern Morocco: a need for an adaptive environmental policy](#) (2019)  
Springer Nature Applied Sciences

- [Using resistivity methods to characterize the geometry and assess groundwater vulnerability of a Moroccan coastal aquifer](#) (2019)  
**Groundwater for Sustainable Development**
- [Geophysical characterization of saltwater intrusion in a coastal aquifer: The case of Martil-Alila plain \(North Morocco\)](#) (2019)  
**Journal of African Earth Sciences**

### *Research reports and books* 24

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- 12 Environmental Impact Study (EIA) of industrial projects. (2010-2013)  
**Various design and expertise offices from Morocco**
- 2 Geological studies of industrial sites. (2012-2013)  
**Various design and expertise offices from Morocco**
- 2 Provincial Master plans for urban development (SDAU). (2010-2011)  
**Ministry of Equipment of Morocco**
- 4 Geophysical studies by electric tomography for environmental and infrastructural purposes. (2006-2008)  
**Economic and Environmental Geology and Hydrology Laboratory, Barcelona, Spain**
- 4 Books. (2017-2023)  
**Different Editing Houses**

### *Selected 4 Expertise* *Out of 8 Reviewer/Expert activities for International Bodies*

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*Part of the attribution of +35 million US Dollars*

- Prima Foundation, Spain
- Fonds de recherche du Québec, Canada
- National Centre for Scientific and Technical Research (CNRST), Morocco
- Mohammed VI Polytechnic University, Morocco

### *Selected 5 Projects from the last 5 years* *Out of 15 International Projects*

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*Part of the receipt of +1.5 million US Dollars*

- Climate Virtual ExChange: Raising awareness of climate in Europe and the Southern Mediterranean region (CliVEx). (2023-2025). **National Coordinator**  
**European Commission (Erasmus+)** (68.233 €)
- Students' attitudes in a changing Mediterranean (ASMeC). (2022-2023). **National Coordinator**  
**Ministry of Foreign Affairs of Italy** (26.600 €)
- Mediterranean Environmental Change Management. Master Study and Ecosystem building (MEHMED). (2019-2022). **National Coordinator**  
**European Commission (Erasmus+)** (788.626 €)
- Thematic atlas of geographic, socioeconomic, territorial and cultural assets and changes in the Tangier - Tetouan - Al Hoceima region (GEOREGAT). (2019-2024). **Project Manager**  
**National Center for Scientific and Technical Research of Morocco** (52,630 US\$)
- Hydrological risks and changes in the Mediterranean area (RHYMUMED): Effect of management practices and territorial transformations on socio-economic equilibria. (2016-2023). **Project Manager**

National Center for Scientific and Technical Research of Morocco (73,690 US\$)

## *Education* 7

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- HDR University Diploma (Post-Doc) in Geography. (2013)  
**Faculty of Letters and Humanities, Abdelmalek Essaadi University, Morocco**
- PhD in Earth Science (Hydrogeology) | PhD in Applied Earth Science (2008) Codirection  
**Faculty of Science, Abdelmalek Essaadi University, Morocco | Faculty of Earth Science, University of Barcelona, Spain**
- Diploma of Advanced Studies (Master's Degree) in Earth Sciences. (2007)  
**Faculty of Earth Science, University of Barcelona, Spain**
- Master in Water Engineering (Valedictorian). (2006)  
**Polytechnic School, University of Sevilla, Spain**
- Diploma of Advanced Graduate Studies (Master's Degree) in Environment and Natural Resources (Valedictorian). (2004)  
**Faculty of Science, Abdelmalek Essaadi University, Morocco**
- Bachelor in Earth Science (Geology). (2002)  
**Faculty of Science, Abdelmalek Essaadi University, Morocco**

## *Academic Honors, Grants and Awards* 12 out of 26

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- Best Arab- Researcher (2024)  
**Arab Scientific Community Organization, Qatar**
- Best Professor-Researcher (2024)  
**Abdelmalek Essaadi University, Morocco**
- Best Professor-Researcher (2023)  
**Abdelmalek Essaadi University, Morocco**
- Best French-Speaking Researcher (2019)  
**Agence Universitaire de la Francophonie, Canada**
- 5 Erasmus Excellence Grant for Teaching (2017, 2020, 2021, 2022, 2023)  
**Erasmus+ Program**
- Research grant for Scientific Excellence IFS N° W/5342/1. (2013)  
**International Foundation for Science (IFS), Sweden (12,000 US\$)**
- 2 Scholarships for scientific excellence in Water Science (2011 and 2024)  
**Dutch Organization for International Cooperation in Higher Education (NUFFIC), Netherlands (10,000 US\$)**
- Excellence Professor's training grant (2010)  
**Ministry of Higher Education, Morocco**
- 3 Congress Participation Grant (2007-2011)  
**UNESCO (2007), International University of Andalusia, Spain (2011), European Union (2011)**
- Excellence Scholarship in Scientific Research (2005-2008)  
**Spanish Agency for International Cooperation for Development (AECID), Spain (50,000 €)**
- Scientific Merit Award (2005-2008)  
**National Centre for Scientific and Technical Research, Morocco**

- Postgraduate Excellence Grant for Master Study (2005-2006)  
**Government of Andalusia, Spain**

### *Work Experience* 15+

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- University Professor. (2009 Assistant, 2013 Associate, 2019 Full →)  
**Abdelmalek Essaadi University, Morocco**
- Coordinator. (2020 →)  
**UNIMED SubNetwork on Climate and Environmental Change, Italy**
- Ambassador. (2024 →)  
**Arab Scientific Community Organization, Qatar**
- Chair of International Cooperation and Vice Dean of Research. (2024)  
**Faculty of Letters and Humanities of Tetouan, Morocco**
- Head of the Geography and Development Research Group. (2013 →)  
**Abdelmalek Essaadi University, Morocco**
- Head of the Geomorphology Laboratory. (2015 - 2021)  
**Abdelmalek Essaadi University, Morocco**
- Master Study Coordinator: Mediterranean Environmental Change Management Master Study and Ecosystem Building (2020 →)  
**Abdelmalek Essaadi University, Morocco**
- PI of international projects, national coordinator and steering committee member. (2013 →)  
**Funded International Projects**
- Member of the Doctoral School and Faculty Council. (2013 →)  
**Abdelmalek Essaadi University, Morocco**
- Communal Supervisor at the General Population and Housing Census. (2014 and 2024)  
**High Commission for Planning, Morocco**
- Researcher, Expert and Assessor. (2006 →)  
**Tens of Official Institutions and Consultation Offices**
- Visiting Professor. (2018 → 2022)  
**University of Girona, Spain**
- Director of Thesis (2013 →)  
**10 PhD thesis**