

## Curriculum vitae

Family name: **YACOUBI KHEBIZA**

First name: **Mohammed**

Date of birth: August, 29<sup>th</sup> 1962

Country of birth: Morocco

Nationality: Moroccan

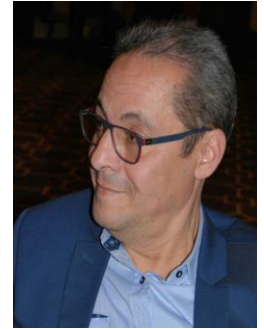
Familial situation: Married

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### FORMATION

**1996**- Cadi Ayyad University-University Paris IV: Ph.D. Environmental Sciences (Vulnerability of water resources in the Tensift basin and adaptation to Climate Change, Morocco, water quality, bio-indicators)

**1990** - Cadi Ayyad University-University Paul Sabatier Toulouse: D.E.S. Environmental Sciences (surface water/ groundwater interaction)

**1987**- Cadi Ayyad University Marrakesh: D.E.A. Environmental Sciences (Groundwater Ecology)

### ACADEMIC RESPONSABILITIES

- Director of the Laboratory 'Hydrobiology, Ecotoxicology, Sanitation and Climate Change' at the University of Marrakech
- Head of the Research Group on Vulnerability and Adaptation to Climate Change in Morocco (GRIVAC)
- Head of the Associated Group Research Unit at the National Center for Scientific and Technical Research of Morocco (URAC 33-CNRST)

### AFFILIATION TO PROFESSIONAL ORGANIZATIONS

- of the Scientific Committee of COP22
- focal point Observer (NGO CDRT) at the UNFCCC
- Member of the Scientific Orientation Committee of the Sahel and Sahara Observatory COS-OSS
- Founding member of the Moroccan Association of Regional Sciences, 2013 (AMSR)
- Member of the management committee of the Moroccan Association of Biotechnology and Natural Resources Preservation-MICROBIONA-
- Member of the management committee of the Tensift Regional Development Center (NGO recognized for public benefit)
- Member of the Moroccan Alliance for Climate and Sustainable Development (AMCCD)
- Member of the AfricaAdapt network for knowledge sharing on climate change in Africa
- Member of the AfriCLP network (Africa Climate Leadership Program)

### COMPETENCES

- Multidisciplinary academic knowledge in environmental sciences, biodiversity, sustainable development, vulnerability of socio-ecosystems and adaptation to climate change
- Ability to analyze the research academic and operational
- Expertise in decision-making processes in the areas of environmental management, territorial planning, governance and sustainable development, Vulnerability of socio-ecosystems and Adaptation to climate change,
- Animation of trainings and workshops in the areas of expertise mentioned

### QUALIFICATIONS

- Analysis of available climate information (IPCC guidelines, OECD's guidance, UNDP APF, UNEP handbook, Source book GIZ etc.), methods and tools;
- Studies and research on impacts, vulnerability and adaptation to climate change;
- Supporting the development of local and community capacity in risk assessment and adaptation to climate change;

- Risk analysis (hazard, challenge, vulnerability,) concerning various types of natural phenomena related to climate, SREX / IPCC and UNISDRET, Vulnerability assessment;
- Adaptation strategies within existing projects or as new activities;
- Setting up, managing, monitoring and evaluating programs / projects on behalf of NGOs and bi and multilateral development agencies;
- Analysis, formulation and evaluation of national strategies, policies and plans contributing to the achievement of the Sustainable Development Goals (SDGs) in the field of environment and sustainable development;
- Monitoring and implementation of international treaties on the environment and global public goods (United Nations Environment Conventions, Regional Action Plans and Agreements, etc.);
- Biodiversity, ecosystem services and payment for environmental services (MA, EcoServices ...)

## SCIENTIFIC PUBLICATIONS (LAST FIVE YEARS)

- Climate change impact on water supply system in the Middle Draa Valley in south Morocco. *International Journal of Water Resources and Arid Environments* 4(8): 2017, 456-468
- Climate Change impacts on water in South Morocco. *International Water journal*. 2016, 4, 13-21,
- Using the Simple Biosphere Model SiB2 to assess the urban impact on semi-arid surface climate: a Case Study in Marrakech, Morocco, , J. Earth Science & climate Change, 2014, S11. <http://dx.doi.org/10.4172/>
- Environmental vulnerability to climate change and anthropogenic impacts in Dryland (Pilot study: Middle Draa Valley, south Morocco. *J. Earth Science & climate Change*, 2015, S11. <http://dx.doi.org/10.4172/2157-7617.S11-002>
- Characterization of Common Environmental Indicators of the Moroccan Oasean Biome, Pilot Study in the Reserve Biosphere of Oases in Southern Morocco. *Advances in Research*, 5(5): 1-15, 2015, Article no.AIR.19369. ISSN: 2348-0394.
- Leishmaniasis in Morocco: diseases and vectors. *Asian Pac J Trop Dis* 2015; 5(1)
- Sustainability of the Moroccan oasean system (Case study: Middle Draa Valley). *Global J Technol Optim* 6: 170. doi: 10.4172/2229-8711.1000170.
- Vulnerability of Ecosystem Services to Climate Change and Anthropogenic Impacts in South East of Morocco, (Case study: Drying up of Iriki Lake). *The international journal of climate change: impacts and responses*, 2014: ISSN: 1835-7156
- Combining Satellite Data and Models to Assess Vulnerability to Climate Change and its Impact on Food Security in Morocco. *Sustainability* 2014, 6, 1729-1746. Co-author (Rapport entre l'offre, production des écosystèmes, et la demande, consommation humaines des produits des écosystèmes (bois, fruits, légumes, viandes, œufs), exprimées en gramme de carbone/unité de surface).
- Environmental Vulnerability to Climate Change and Anthropogenic Impacts in Dryland, (Pilot Study: Middle Draa Valley, South Morocco)". (2014). *J Earth Sci Clim Change* 5: 193. doi:10.4172/2157-7617.1000193. Co-author (EVI indicators are grouped into seven categories: sub-indices : Climate Change, Biodiversity, Water, Agriculture / Fisheries, Human Health Aspects, Desertification and Exposure to Natural Disasters).
- Environmental Vulnerability and Climate Change Uncertainties in Rheraya watershed of Marrakech (Morocco), *Environment, Development and Sustainability journal*, (1) 123-134.
- Linking Climate to Incidence of Zoonotic Cutaneous Leishmaniasis (L. major) in Pre-Saharan North Africa. *Int. J. Environ. Res. Public Health*, 10 (8), 3172-3191 [10.3390/ijerph10083172] (modulation d'une cascade trophique)
- Simulation of climate and its implication on agriculture in Morocco using Statistical DownScalin *Journal of Latest Research in Science and Technology* Volume 2, (5): 83-96, September-October 2013 ISSN (Online):2278-5299 <http://www.mnkjournals.com/ijlrst.htm>
- Climate Change Impacts on Water Supply and Demand in Rheraya Watershed (Morocco), with Potential Adaptation Strategies. *Water* 2012, 4(1), 28-44; doi:10.3390/w4010028
- Vulnerability assessment and risk level of ecosystem services for climate change impacts and adaptation in Moroccan oases- START Grants for Global Environmental Change Research in Africa. Final report.
- Developing an Oasis-Based Water Management Tool: Ecohydrologic Approach and Weap Software for a Large Arid Catchment in Morocco.. *International Journal of Water Resources and Arid Environments* 1(6): 387-396,
- Integrated Approaches to the Assessment of the Impacts of Climate and Socio-economic Change on Groundwater Resources in the Tensift Basin, Morocco. *International Journal of Water Resources and Arid Environments* 1(3), 219-225,