

Hatem Jemmali, Associate Professor of Economics

CONTACT INFORMATION Research Laboratory on Quantitative Development Economics (LAREQUAD) & Higher Institute of Accountancy and Business Administration (ISCAE), Department of Economics and Quantitative methods. Manouba University, 2010, Manouba Tunisia. *Mobile:* +216-97-753-648
Fax: +216-71-602-404
E-mail: hatemjemmali79@gmail.com
<https://hatemjemmali.weebly.com/>

CITIZENSHIP Tunisian

AFFILIATIONS

Associate Professor at the Higher Institute of Accountancy and Business Administration (**ISCAE, Tunisia**), University of Manouba.

Lead Researcher at the Laboratory of Research on Quantitative Development Economics (**LAREQUAD, Tunisia**).

Active member at the Arab Council for the Social Sciences (**ACSS, Lebanon**).

Regular member at the International Statistical Institute (**ISI, Netherlands**).

Member at the African Growth and Development Policy Modeling Consortium (**AGRODEP, IFPRI-Dakar**).

Founding Member of the Association for Quantitative Economics Research (**AQuER, Tunisia**).

RESEARCH INTERESTS

I'm primarily interested in environmental and natural resource issues, with a major focus on water resources management and sustainable development. I've long been involved in the improvement and the development of monitoring metrics for sustainable water management. My current research interests include economic development, labor economics, water resources economics and climate changes. I'm particularly interested in exploring the causes and consequences of poverty and inequality of human development. My special focus is how to go beyond the summary measures of inequality towards analyzing the distribution of human development achievements across the population. Most of my work focuses on developing countries, with a particular emphasis on MENA region and Arab countries.

EDUCATION

HDR diploma (habilitation to supervise research) in Economic Sciences (Quantitative methods). College of Economic Sciences and Management of Tunis, University Tunis El-Manar, June 2017.

PhD. in Economic Sciences (Quantitative Methods), College of Economic Sciences and Management of Tunis, University Tunis El-Manar, July 2012.

- Thesis Title: *Multidimensional Analysis of Water Poverty: Theoretical Framework and Applications.*
- Thesis Advisor: Pr. Mohamed Salah Matoussi
- Area of Study: Water Scarcity Indicators, Water Poverty, Water Resources Management

Master in Mathematical Economics and Econometrics. College of Economic Sciences and Management of Tunis, University Tunis El-Manar, February 2005.

- Thesis Title: *Natural Resources Scarcity: Measures and Impacts on Economic Growth*
- Adviser: Pr. Mohamed Salah Matoussi
- Area of Study: Natural Resources Scarcity, Economic Growth

License in High Commercial Studies (Finance). Institute of High Commercial Studies of Carthage (IHEC), University of Carthage, June 2002.

Bac/High School Diploma in Mathematics. Secondary High School 20 March 1956, Sfax, June 1998

ACADEMIC

APPOINTMENTS **Associate Professor**

Recruitment: Aug. 2018

2018-Present Higher Institute of Accountancy and Business Administration, University of Manouba.

Assistant Professor

Recruitment: Sept. 2013, Rank: First

2016-2018 Higher Institute of Accountancy and Business Administration, University of Manouba.

2013-2016 College of Economic Sciences and Management of Sousse, University of Sousse.

Assistant

Recruitment: Sept. 2012, Rank: Third

2012-2013 College of Economic Sciences and Management of Sousse, University of Sousse.

Non-permanent Assistant

Recruitment: Sept. 2005

2009-2011 Higher Institute of Computer Sciences, University of Tunis El-Manar.

2005-2008 College of Law and Economic and Political Sciences.

Temporary Assistant

Recruitment: Jan. 2005

2011-2015 Private Higher School of Engineering and Technology (ESPRIT).

2006-2014 Central University of Tunis.

2008-2009 College of Economic Sciences and Management of Nabeul.

2005-2009 International University of Tunis.

COURSES

TAUGHT

Licence

- Econometrics

- Introduction to Spatial Econometrics
- Mathematics: Analysis, Algebra and Geometry
- Descriptive Statistics and Probabilities
- Applied Statistics and Inferential Statistics
- Operational Research
- Theory of Graphs
- Natural Resources Economics
- Theory of Decision

Master

- Stochastic modeling
- Spatial Econometrics
- Analysis of Productivity
- Time Series Econometrics
- Introduction to STATA
- Dynamic Optimization

REFEREED
JOURNAL
PUBLICATIONS

- [1] “Examining the determinants of water resources availability in sub-Saharan Africa: a panel-based econometrics analysis” (with Sun Dongying et al), *Environmental Science and Pollution Research*, , 28(17): 21212-21230, (2021).
- [2] “Ecologic and economic perspectives for sustainable irrigated agriculture under arid climate conditions: An analysis based on environmental indicators for southern Tunisia” (with Houda Besser et al), *Journal of African Earth Sciences*, 177: 104134, (2021).
- [3] “Understanding water conflicts in the MENA region: A comparative analysis using a restructured Water Poverty Index” (with Caroline A. Sullivan), *The Routledge Handbook on Political Economy of the Middle East and North Africa*, 150-164, (2021).
- [4] “Dynamic Impacts of Climate Changes and Agricultural Sustainability on Food-Water Poverty in a Panel of Selected MENA Countries” (with Rabeh Morrar and Mohamed Safouane Ben Aissa), *Journal of Water and Climate Change*, 12(1): 1-17, (2021).
- [5] “Rural-Urban Migration and Income Disparity in Tunisia: A Decomposition Analysis” (with Mohamed Amara and Mohamed Ayadi), *Papers in Regional Science*, 98(2): 1053-1083, (2019).
- [6] “Inequality of opportunities among Tunisian children over time and space” (Single-authored), *Child Indicators Research*, 12(1): 213-234, (2019).
- [7] “Water Poverty in Africa: A review and synthesis of issues, potentials, and policy implications” (Single-authored), *Social Indicators Research*, 136(1): 335-358, (2018).
- [8] “On measuring and decomposing inequality of opportunity among children: Evidence from Tunisia” (with Mohamed Amara), *Applied Research in Quality of Life*, 13(1): 137-155, (2018).

- [9] “Deciphering the relationship between internal Migration and regional disparities in Tunisia” (with Mohamed Amara), *Social Indicators Research*, 135(1): 313-331, (2018).
- [10] “Household and contextual indicators of poverty in Tunisia: A multilevel analysis” (with Mohamed Amara), *Social Indicators Research*, 137(1): 113-138, (2018).
- [11] “Do Tunisian Young Children Have Equal Chances? A Special Focus on Opportunities in Healthcare and Nutrition” (with Mohamed Amara), *Child Indicators Research*, 11(2): 383-403, (2018).
- [12] “Renewable energy consumption, International trade, oil price and Economic growth inter-linkages: the case of Tunisia ” (with Riadh Brini and Mohamed Amara), *Renewable & Sustainable Energy Reviews*, 76: 620-627, (2017).
- [13] “Mapping water poverty in Africa using the improved Water Multidimensional Poverty Index” (Single-authored), *International Journal of Water Resources Development*, 33(4): 649-666, (2017).
- [14] “Public spending efficiency, governance, political and economic policies: An analysis of inter-linkages in selected MENA countries” (with Riadh Brini), *International Journal of Economics and Financial Management*, 1(1), (2016).
- [15] “The Impact of the political instability on Conventional Banks’ stability: Evidence in Tunisia” (with Riadh Brini), *International Journal of Banking and Finance Research*, 2(3), (2016).
- [16] “Public debt and economic growth in Tunisia: A re-examination” (with Riadh Brini and Arafet Farrouk), *Advances in Economic and Business*, 4(11): 584-590, (2016).
- [17] “Multidimensional analysis of the water-poverty nexus using a modified Water Poverty Index: a case study from Jordan” (with Lina Abu-Ghunmi), *Water Policy* 18(4): 826-843, (2016).
- [18] “Assessing inequality of human opportunities: a new approach for public policy in Tunisia” (with Mohamed Amara), *Applied Research in Quality of Life*, 10(2): 343-361, (2015).
- [19] “Multidimensional analysis of water poverty in MENA region: An empirical comparison with physical indicators” (with Caroline A Sullivan), *Social Indicators Research*, 115(1): 253-277, (2014).
- [20] “Market Informational Efficiency: the contribution of Shannon entropy” (with Imen Mahmoud, Saber Sebai and Kamel Naoui), *European Journal of Economics, Finance and Administrative Sciences*, 66: 6-17, (2014).
- [21] “A multidimensional analysis of water poverty at local scale: Application of Improved Water Poverty Index for Tunisia” (with Mohamed Salah Matoussi), *Water Policy*, 15(1): 98-115, (2013).

- [22] “Study of speculative bubbles: the contribution of approximate entropy” (with Imen Mahmoud and Kamel Naoui), *International Journal of Economics and Financial Issues*, 3(3): 683-693, (2013).
- [23] “Mesures de la pauvreté en eau: Analyse comparative et Développement de l’Indice de Pauvret en Eau” (Single-authored), *Vertigo-la revue électronique en sciences de l’environnement*, 13(2), (2013).
- PAPERS UNDER REVIEW [24] “What drive Regional Economic Inequalities in Tunisia? Evidence from Unconditional Quantile Decomposition Analysis” (Single-authored), *Journal of Economic Inequality*, (2018). A previous version of the paper was published in *ERF Working Papers Series* (WP No.1159).
- OTHERS PUBLICATIONS [25] “How creating a water poverty map for all of Africa can help sound policies” (single authored), *The Conversation*, <https://theconversation.com/how-creating-a-water-poverty-map-for-all-of-africa-can-help-sound-policies-87624>, (2018).
- [26] “Water at Root of Tunisias Inequality Problem” (with Benjamin Placket), *Al-Fanar Media*, [https://www.al-fanarmedia.org/2018/06/researchers-see-water-at-root-of-tunisias-inequality-problem/.](https://www.al-fanarmedia.org/2018/06/researchers-see-water-at-root-of-tunisias-inequality-problem/), (2018)
- CONFERENCE PUBLICATIONS [1] “Inequality of Opportunities in Access to Basic Services Among Children in Host Communities in Jordan and Lebanon: A Comparative Analysis.” (Single-authored), *27th Annual Conference of the Economic Research Forum (ERF)*
- [2] “Are Syrians Refugees Earn Less than Natives and Other Migrants in Jordan: Evidence from Distributional Analysis of Wage Differentials.” (with Rabeh Morrar), *26th Annual Conference of the Economic Research Forum (ERF)*
- [3] “The dynamic nexus between climate changes, agricultural sustainability and food-water poverty in a panel of selected MENA countries” (with Rabeh Morrar and Mohamed Safouane Ben Aissa), *Sustainability & Development Conference*, Michigan, USA (2019).
- [4] “What drive Regional Economic Inequalities in Tunisia? Evidence from Unconditional Quantile Decomposition Analysis” (Single-authored), *23rd Annual Conference of the Economic Research Forum (ERF)*, Amman and *61st ISI World Statistics Congress (WSC)*, Marrakech (2017).
- [5] “Water Poverty in Africa: A review and synthesis of issues, potentials, and policy implications” (Single-authored), *XXXIII ATM-ULB Days*, Brussels (2017).
- [6] “Inequality of opportunities among Tunisian children over time and space” (Single-authored), *22nd Annual Conference of the Economic Research Forum (ERF)*, Cairo (2016).

- [7] “Deciphering the relationship between internal Migration and regional disparities in Tunisia” (with Mohamed Amara), *22nd Annual Conference of the Economic Research Forum (ERF)*, Cairo (2016).
- [8] “Macroeconomic impacts of oil price shocks on inflation and real exchange rate: Evidence from selected MENA countries” (with Riadh Brini and Arafet Ferrouk), *15th International Conference of The Middle East Economic Association (MEEA)*, Doha (2016).
- [9] “On measuring and decomposing inequality of opportunity among children: Evidence from Tunisia” (with Mohamed Amara), *32th Applied Microeconomics Days*, Montpellier (2015).
- [10] “Household and contextual indicators of poverty in Tunisia: A multilevel analysis” (with Mohamed Amara), *21st Annual Conference of the Economic Research Forum (ERF)*, Tunis (2015).
- [11] “Public debt and economic growth in Tunisia: A re-examination” (with Riadh Brini and Arafet Ferrouk), *14th International Conference of The Middle East Economic Association (MEEA)*, Tunis (2015).
- [12] “Efficiency in public spending, governance, political and economic policies: An analysis of interlinkages in selected MENA countries” (with Riadh Brini), *21th Annual Conference of the Economic Research Forum (ERF)*, Tunis (2015).
- [13] “Assessing inequality of human opportunities: a new approach for public policy in Tunisia” (with Mohamed Amara), *20th Annual Conference of the Economic Research Forum (ERF)*, Egypt (2014).
- [14] “Toward Understanding International Water Conflicts in MENA Region: A Comparative Analysis using Water Poverty Index” (with Caroline A Sullivan), *20th Annual Conference of the Economic Research Forum (ERF)*, Egypt (2014).
- [15] “A multidimensional analysis of water poverty at local scale: Application of Improved Water Poverty Index for Tunisia” (with Mohamed Salah Matoussi), *18th Annual Conference of the Economic Research Forum (ERF)*, Cairo (2012).
- [16] “Cartographie et Analyse spatiale multivariée de la Pauvreté en eau à l’échelle internationale” (with Mohamed Amara), *3^{eme} Conférence Euro-Africaine en Finance et Economie (CEAFE)*, Paris (2010).
- [17] “Analyse multidimensionnelle de la pauvreté en eau : Cas de la TUNISIE”. *4^{eme} Colloque international de Finance et Stratégies de Développement, ISG*, Sousse (2009).

WORKSHOP,
MEETINGS, AND
TRAINING

- “Workshop on Tackling water stress in South Tunisia oases: towards a culturally-grounded, interdisciplinary approach”, *Institute of Arab and Islamic Studies (IAIS), University of Exeter*, Exeter, UK, September 9-10, 2019.
- “Regional multi-stakeholders consultation workshop for the Arab region”, *Independent Group of Scientists (IGS) and UN*, Amman, April 28-30, 2019.
- “Expert Group Meeting for the 2019 Human Development Report (HDR): Inequality in human development in Arab region”, *Economic Research Forum (ERF) and UNDP*, Cairo, April 7-8, 2019.
- “Workshop: Economic Liberalism, Democracy and Transitional Justice”, *Transitional Justice Institute (Ulster University)*, Belfast, January 8-10, 2018.
- “Symposium: Les Nouvelles Tendances et Methodes de Sondage Politique”, *European University of Tunis*, Tunis, 20 December 2017.
- “NES-HCEO Summer School on Socioeconomic Inequality”, *New Economic School and HCEO (University of Chicago)*. Moscow, August 28 to September 2, 2017.
- “Workshop on The Political Economy of Contemporary Arab Societies” , *Economic Research Forum (ERF)*. Beirut, August 24-25, 2016.
- “Workshop on Rural Poverty, Rural-Urban Migration and Rural Development in the ERF Region”, *Economic Research Forum (ERF)*. Cairo, July 28th, 2016.
- “Second ACSS Research Forum”, *Arab Council for the Social Sciences (ACSS)*. Algiers, June 2-4, 2016.
- “Training Workshop on Applied Micro-econometrics and Public Policy Evaluation”, *Economic Research Forum (ERF)*. Cairo, January 4-6, 2016.
- “Training Workshop on Proposal Writing and Research Methods”, *Arab Council for the Social Sciences (ACSS)*. Beirut, October 6-7, 2015.
- “Second ACSS Conference: Questioning Social Inequality and Difference in the Arab Region”, *Arab Council for the Social Sciences (ACSS)*. Beirut, March 13-15, 2015.
- “Training Workshop on Writing Winning Research Proposals and Papers”, *Economic Research Forum (ERF)*. Tunis, September 28-29, 2014.

AWARDS AND
HONORS

- Best paper award: “Household and contextual indicators of poverty in Tunisia: A multilevel analysis” (with Mohamed Amara) designated as best paper of Microeconomic and Sectoral studies at the 21th *Annual Conference of the Economic Research Forum (ERF)*, Tunis (2015).

RESEARCH
GRANTS AND
CONSULTANCIES

- [1] “Are Syrian Refugees’ Labor Market Outcomes and Access to Basic Services Different from those of Other Migrants and Natives Born? Empirical Evidence from Lebanon and Jordan” (Senior researcher), with funding of Economic Research Forum (2020).
- [2] “Climate change in security perceptions, conceptions and practice at the United Nations Security Council” (Expert), with funding of The Institute for Peace Research and Security Studies at the University of Hamburg (IFSH), (2020).
- [3] “Leave No One Behind” (Expert), with funding of United Nations, Tunisia and the Tunisian Observatory of Economy (2019).
- [4] “Nudges for Economics of Water Tariffs” (Senior researcher), with funding of European Union (2019-2021).
- [5] “Inequality of Opportunity for Higher Education among Youth in Tunisia: A Pilot Study” (Principal Investigator), with funding of the Arab Council for the Social Sciences (2018-2019).
- [6] “Baseline Study of Higher Education and Research in Palestine” (Senior Researcher), With funding from, and in collaboration with, the Swedish International Development Cooperation Agency (Sida), the Arab Council for the Social Sciences (ACSS) (2018-2019).
- [7] “Does it Still Pay to Go To College in Egypt? Decomposition Analysis of Wage Differentials in Public and Private Sector for College and Non-College Graduates” (Principal Investigator) (with Fatma El-Hamidi), funded by the Economic Research Forum (2017-2018).
- [8] “Dynamics and Decomposition of Inequality of Outcomes and Inequality of Opportunities: A special focus on Tunisia” (Principal Investigator) (with Mohamed Amara), funded by the Economic Research Forum (2016-2017).
- [9] “Rural-Urban Migration and Income Disparity in Tunisia: A Comparative Analysis between Rural Migrants and Residents” (Principal Investigator) (with Mohamed Amara and Mohamed Ayadi), funded by the Economic Research Forum (2016-2017).
- [10] “On understanding the Internal Migration and Inequality nexus in Tunisia: A review of information on current trends and patterns, and their policy implications” (Principal Investigator) (with Mohamed Amara), funded by the Arab Council for the Social Sciences (2015-2016).

REFEREEING
SERVICE

- Referee for peer-review journal:
- Urban Water Journal
 - Growth and Change Journal
 - Poverty Public Policy Journal
 - Review of Development Economics
 - Hydrological Science Journal

- Journal of Agricultural Science and Technology
- British Journal of Middle East Studies
- Middle East Development Journal
- Journal of Water and Climate
- International Journal of River Basin Management
- Energy Reports
- Journal of Behavioral and Experimental Finance
- World Development Journal
- Water Resources Management Journal
- International Journal of Emerging Markets
- Social Indicators Research Journal
- The Journal of North African Studies
- African Development Review
- Environment, Development and Sustainability
- International Journal of River Basin Management

SOFTWARE
SKILLS

Econometric and Statistical software:

- STATA, SPSS, STATISTICA, S-Plus
- MATLAB, R
- ARCGIS, SpaceSTAT

Desktop Editing and Productivity Applications:

- T_EX (L^AT_EX, B_IB_TE_X, Beamer)
- Microsoft Office, Google Docs

Operating Systems:

- Microsoft Windows

REFERENCES
AVAILABLE TO
CONTACT

Caroline A. Sullivan

Professor of Environmental
Economics and Policy,

School of Environment, Science and Engineering,
Marine Ecology Research Centre,
Southern Cross University, NSW Australia.

Phone: +61-(02)662-03-632

E-mail: caroline.sullivan@scu.edu.au

Atif Kubursi

Professor Emeritus of Economics,
Department of Economics,
Kenneth Taylor Hall, Room 424
McMaster University
1280 Main Street West Hamilton,
Ontario, L8S 4M4

Phone: 905-631-6290

E-mail: kubursi@mcmaster.ca

Mahmoud M. Haddad

Professor of Finance,
Department of Accounting, Finance,
Economics and Political Science,
College of Business and Global Affairs,

Phone: 731-881-7249

E-mail: mhaddad@utm.edu

The University of Tennessee at Martin
Martin, TN 38328,
USA

Kassim A. Kulindwa

Professor of Economics,
Department of International Environment,
and Development Studies,
Norwegian University of Life Sciences, Norway.

Phone: +47-96-851-134
E-mail: Kulindwa@gmail.com

Mohamed S. Matoussi

Emeritus Professor of Quantitative Methods
University El-Manar, Tunisia.

Phone: +216-22-803-750
E-mail: mamat@gnet.tn