PERSONAL INFORMATION

**Name:** Slim Zekri

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**Email Address:** [slim@squ.edu.om](mailto:slim@squ.edu.om) [slim.zekri@yahoo.fr](mailto:slim.zekri@yahoo.fr)

**ORCID :**  0000-0003-4457-1051

**Google Scholar:** <https://scholar.google.com/citations?user=Uof2SRIAAAAJ&hl=en>

**Research Gate:** <https://www.researchgate.net/profile/Slim-Zekri/research>

EDUCATION AND EMPLOYMENT INFORMATION

**Education**

**Year** **Major** **Degree** **Institution** **Title of Doctoral** **Thesis**

1991 Agricultural Economics & PhD University of Cordoba, Multiple Criteria Decision Making in Quantitative Methods Spain Agricultural Planning: Economic Vs Environmental Objectives

1988 Environmental & Rural Planning MSc International Center for

Advanced Agronomic

Mediterranean Studies,

IAM. Zaragoza, Spain

1986 Agricultural Engineering B. Eng. University of Tunis

Carthage, Tunisia

**Employment**

**Year Institution Position**

June 2019-present Department of Natural Resource Economics **Professor**

Sultan Qaboos University, Oman

2014 – Sept 2020 Department of Natural Resource Economics, Head of Department

2009 – 2019 Department of Natural Resource Economics, Associate Professor Sultan Qaboos University, Oman

2003 – 2009 Department of Natural Resource Economics, Assistant Professor Sultan Qaboos University, Oman

2002 – 2003 Department of Applied Economics, Visiting Professor

University of Minnesota, USA

2002 – 2003 College of Agriculture ESAM, Associate Professor

University of Tunis Carthage, Tunisia

1997 – 2003 Department of Agricultural Economics, Head of Department

University of Tunis Carthage, Tunisia

2001 University of Cordoba, Spain Visiting Professor

2000 Institut Agronomique Méditerranéen de Montpellier,

France. Visiting Professor

1992 – 2001 ESAM, University of Tunis Carthage, Tunisia Assistant Professor

1991 – 1992 University of Cordoba, Spain Lecturer & R. Assistant

UNIVERSITY TEACHING

**Courses taught in the undergraduate and postgraduate level**

**Undergraduate courses**

|  |  |  |  |
| --- | --- | --- | --- |
| Institution | Course name | Year taught | Semester |
|  | NREC3105 Water Economics and Policy | 2011-2019 | Spring/or Fall |
| Sultan Qaboos University | NREC 4430 Cost Benefit Analysis | 2010-2021 | Fall |
| NREC 3106 Social Survey Design and Analysis | 2013 | Fall |
| NREC3220 Agribusiness Management | 2009 | Spring |
| NREC 4500 Agricultural Extension Methods and Techniques | 2003-2008 | Spring & Fall |
| NREC 3300 Natural Resource and Environmental Economics | 2003-2022 | Spring/Fall |
| NREC 3011 Fisheries Economics | 2004-11 | Spring |
| University of Tunis Carthage | Farm Planning and Accounting | 1992-1995 | Fall & Spring |
| Farm Management | 1993- 2002 | Fall & Spring |
| Linear Programming Applied to Agriculture | 1995-1998 | Fall & Spring |
| Environmental Economics | 1999-2002 | Fall |
| Multiple Criteria Decision Making | 1999-2002 | Spring |
| University of Cordoba | Principles of Economics (course partly taught with Prof. J. Domingo) | 1991-92 | Fall |

**Postgraduate courses**

|  |  |  |  |
| --- | --- | --- | --- |
| Institution | Course name | Year taught | Semester |
| Technical University of Catalunya | Multiple Criteria Decision Making Applied to Agriculture and Environment | 2015 | Summer |
| SQU | NREC 6003 Benefit-Cost Analysis | 2008 | Fall/Spring |
| NREC 6008 Natural Resource Economics | 2008; 2010; 2011; 2012; 2014-22 | Spring/ Fall |
| Univ. Tunis Carthage | Decision Theory\* | 1999-2000 | Spring |
| CIHEAM France | Multiple Criteria Decision Making | 1998-2002 | Spring |

4. SCHOLARSHIP

**Scholarly work**

**A. Papers Published in refereed journals**

* 1. Zeynali. M.J.; Pourreza‑Bilondi. M.; Akbarpour. A.; Yazdi. J.; Zekri. S. 2022. Development of a contaminant concentration transport model for sulfate‑contaminated areas. Applied Water Science (2022) 12:169 <https://doi.org/10.1007/s13201-022-01689-1>.
  2. Zekri. S.; Jabeur. N.; Gharrad. H. 2022. Smart Water Management Using Intelligent Digital Twins. Computing and Informatics, Vol. 41, 2022, 135–153, <https://doi.org/10.31577/cai_2022_1_135>
  3. Siddiqi SA, YA Al-Mulla, I McCann, G AbuRumman, M Belhaj, S Zekri, A Al-Ismaili, S Rahman. 2021. Smart monitoring, sap-flow, stem-psychrometer and soil-moisture measurements tools for precision irrigation and water saving of date palm. Intl J Agric Biol 26:568‒578. DOI: 10.17957/IJAB/15.1869
  4. Al-Maktoumi, A.; Rajabi, M.M.; Zekri, S.; Triki, C. 2021. A Probabilistic Multiperiod Simulation–Optimization Approach for Dynamic Coastal Aquifer Management. Water Resources Management 35, pages3447–3462

https://doi.org/10.1007/s11269-021-02828-0

* 1. Zekri, S.; Triki, C.; Al-Maktoumi, A.; Bazargan-Lari, M.R. 2021. Optimization of storage and recovery of seasonal surplus desalinated water in a coastal aquifer Arabian Journal of Geosciences (2021) 14:100 https://doi.org/10.1007/s12517-020-06340-4

I identified the problem, participated in designing the methodology and contributed to the paper writing and revising

* 1. Al Ruqaishi, B. H.; Gibreel, T.; Akaichi, F.; Zaibet, L.; Zekri, S. 2020. Contractual agriculture: better partnerships between small farmers and the business sector in the sultanate of Oman. Asian Journal of Agriculture and rural Development 10 (1), 321-335

Paper with PhD student. I guided identify the problem and contributed to the discussion and writing of the paper

* 1. Al-Maktoumi, A.; Zekri, S.; El-Rawy, M.; Abdalla, O.; Al-Abri, R.; Triki, C.; Bazargan‐Lari, M.R. 2020. Aquifer storage and recovery, and managed aquifer recharge of reclaimed water for management of coastal aquifers. Desalination and Water Treatment. 176 (2020) 67-77. doi: 10.5004/dwt.2020.25499

I identified the problem and contributed to the modelling and writing

* 1. Triki, C.; Zekri, S.; Al-Maktoumi, A.; Bazargan‐Lari, M.R. 2020. Optimal Location of Wells for Storage and Recovery of Surplus Desalinated Water in Coastal Aquifers. Groundwater. [Volume58, Issue5](https://ngwa.onlinelibrary.wiley.com/toc/17456584/2020/58/5), September/October 2020. Pages 831-841. <https://doi.org/10.1111/gwat.12951>

I identified the problem and contributed to the paper writing

* 1. Al Jabri, S.; Zekri, S.; Zarzo, D.; Ahmed, M. 2019. Comparative analysis of economic and institutional aspects of desalination for agriculture in the sultanate of Oman and Spain. Desalination and Water Treatment. 156 (2019) 1–6 July. doi:10.5004/dwt.2019.24066

I participated in the conceptualization and designing the methodology, formal analysis and writing the economic part of the paper

* 1. 7-El-Rawy, M.; Al-Maktoumi, A.; Zekri, S.; Al-Abri, R. 2018. Hydrological and Economical Feasibility of Mitigating a Stressed Coastal Aquifer using Managed Aquifer Recharge: A Case Study of Jamma Aquifer, Oman. J Arid Land (2019) 11(1): 148–159. https://doi.org/10.1007/s40333-019-0093-7

I participated in designing the methodology, defining the simulation scenarios and writing the economic part of the paper

* 1. Al-Maktoumi, A.; Zekri, S.; El-Rawy, M.; Charabi, Y. 2018. Assessment of the impact of climate change on coastal aquifers in Oman. Arabian Journal of Geosciences 11(17). DOI: 10.1007/s12517-018-3858-y

Participated in designing the methodology and scenario analysis

* 1. W. Al-Marzooqi, I.M. Al-Moqbali, O. Mahgoub, K. Al-Kharousi, M. Al-Abri, S. Zekri, O. Alqaisi and N.M. Al-Saqri. 2018. Growth Performance and Haematological and Serological Assessment of Broiler Chickens Fed Thermally Processed Prosopis juliflora Pod-based Diets. International Journal of Poultry Science 17(6). Pages 268-279. DOI: 10.3923/ijps.2018.268.279

Contributed to the economic analysis component and wrote the economic part of the paper and part of the conclusions

* 1. Triki, C.; Zekri, S.; Al-Maktoumi, A.; Fallahnia, M. 2017. Artificial Intelligence Approach for the Stochastic Management of Coastal Aquifers. Water Resources Management. 3, pages 4925–4939. DOI 10.1007/s11269-017-1786-3

Identified the problem and contributed to the paper writing

* 1. Zekri, S.; Madani, K.; Bazargan-Lari, M.; Kotagama, H.; Kalbus, E. 2017. Feasibility of Adopting Smart Water Meters in Aquifer Management: An Integrated Hydro-Economic Analysis. Agricultural Water Management, Volume 181, February 2017, Pages 85-93. DOI information: 10.1016/j.agwat.2016.11.022

Provided research leadership. Identified the problem, raised the funds from the Research Council for the project, developed the methodology, wrote the major part of the paper

* 1. Kotagama, H.; Zekri, S.; Al Harthi, R.; Boughanmi, H. 2016. Demand Function Estimate for Residential Water in Oman. International Journal of Water Resources Development. DOI: 10.1080/07900627.2016.1238342

This paper is an extension of the Master thesis of Ms. Rahma Al Harthi. I was Principal Supervisor, wrote the paper in collaboration with Dr Kotagama

* 1. Al-Maktoumi, A.; El-Rawy, M.; Zekri, S. 2016. Management Options for a Multipurpose Coastal Aquifer in Oman. Arab J Geosci, 9:1-14. DOI 10.1007/s12517-016-2661-x

Suggested the proposal, Identified the problem, developed the methodology and contributed to the writing of the economic part and reviewed the other parts of the paper

* 1. Zekri, S.; Al Harthi, S.; Kotagama, H.; Bose, S. 2016. An Estimate of the Willingness to Pay for Treated Wastewater for Irrigation in Oman. Journal of Agricultural and Marine Sciences Vol. 21(1): 57 – 63 DOI: http://dx.doi.org/10.24200/jams.vol21iss0pp57-64

This paper is an extension of the Master thesis of Ms. Samiha Al Harthi. I was Principal Supervisor, wrote the paper in collaboration with Dr Kotagama

* 1. Kalbus, E.; Zekri, S.; Karimi, A. 2016. Intervention Scenarios to Manage Seawater Intrusion in a Coastal Agricultural Area in Oman. Arab Journal of Geoscience, 9: 472. Doi:10.1007/s12517-016-2442-6

Provided research leadership, organized the team. Logistical management. Raised the funds for the project (TRC), identified the problem, Developed the methodology, wrote the economic part of the paper

* 1. 16-Zekri, S.; Triki, C.; Maktoumi, A.; Bazargan-Lari, M.R. 2015. An Optimization-Simulation Approach for Groundwater Abstraction under Recharge Uncertainty. Water Resources Management. August 2015, Volume 29, Issue 10, pp 3681–3695

DOI: 10.1007/s11269-015-1023-x.

Provided leadership. Suggested the proposal, Identified the problem, developed the methodology and contributed to the writing of the economic part and reviewed the other parts of the paper

* 1. Al-Marzooqi, W.; Al-Kharousi, K.; Kadim, I.T.; Mahgoub, O.; Zekri, S.; Al-Maqbaly, R.; Al-Busaidi, M. 2015. Effects of Feeding Prosopis juliflora Pods with and Without Exogenous Enzyme on Performance, Meat Quality and Health of Broiler Chickens” International Journal of Poultry Science 14 (2): 76-88.

Wrote the economic part of the paper, reviewed the paper and wrote part of the conclusions

* 1. Alahakoon, P.M.K; Jayasuriya, H.P.W; Zekri, S.; Al-Busaidi, H; Zaier, R. 2014. Comparative Study of ET Based and Soil Moisture Based Irrigation for Al Batinah Region in Oman. ACTA Horticulturae 1054(22): 135-144.

Provided research leadership, organized the team. Logistical management. Raised the funds for the project (TRC). Identified the problem, Developed the methodology, wrote the economic part of the paper

* 1. Zekri, S; Maktoumi, A; Abdalla, O; Akil, J; Y, Charabi. 2014 Hydrogeological and Economical Simulation: Water Provision in Emergency Situation for Muscat. Water Policy. 16 (2014) 340–357. doi:10.2166/wp.2013.187

Provided research leadership. Suggested the proposal, Identified the problem, developed the methodology and wrote the economic part, reviewed, finished and submitted the paper

* 1. Zekri, S; Ahmed, M; Gaffour, N; Chaieb, R. 2014. Managed Aquifer Recharge Using Quaternary treated Wastewater in Muscat: An economic perspective. International Journal of Water Resources Development. 30(2), 246–261,

http://dx.doi.org/10.1080/07900627

Provided research leadership. Suggested the proposal, Identified the problem, developed the methodology and wrote the economic part, reviewed, finished and submitted the paper

* 1. Kotagama, H. B.; Al Alawi, A. J. T. ; Boughanmi, H.; Zekri, S.; Jayasuriya, H.; M. Mbaga. 2013. Economic Analysis Determining the Optimal Replanting Age of Date Palm. Agricultural and Marine Sciences, 18:51-61.

This paper is an extension of the Master thesis of Ms. Amani Al Alawi. My contribution was minor in this paper

* 1. Mbaga, M.; Boughanmi, H.; Zekri, S.; Jufaili, S. 2013. A Cost Benefit Analysis of a Fishing Safety Telecommunication System in Oman. Insurance Markets and Companies: Analysis and Actuarial Computations. 4(1), 43-50.

Provided research leadership, organized the team and the logistical management. Raised the funds for the project (IG). Identified the problem, developed the methodology and wrote part of the paper, reviewed it and finished it.

* 1. Zekri, S.; Fouzai, A; Helmi, T. 2012. Damage Cost in Dry Aflaj in the Sultanate of Oman. Agricultural and Marine Sciences, 17, 9-19.

Provided research leadership, organized the team and the logistical management. Raised the funds for the project (IG). Identified the problem, developed the methodology and wrote the major part of the paper, shaped it, finished and submitted

* 1. Zekri, S.; Mbaga, M.; Fouzai, A. 2012. Complementarity between agriculture and tourism towards sustainability. International Journal of Agricultural Research. 7(10), 482. DOI: 10.3923/ijar.2012.482.493.

Provided research leadership, organized the team and the logistical management. Raised the funds for the project (IG). Identified the problem, developed the methodology and wrote major part of the paper, shaped it, finished and submitted

* 1. Naifer, A; .Al-Rawahy, S, A.; Zekri, S. 2011. Economic Impact of Salinity: The Case of Al-Batinah in Oman. International Journal of Agricultural Research. 6(2), 134-142.DOI: 10.39231ijar.2011.

This paper is an extension of the Master thesis of Mr. Ali Al-Naifer. My I was the Supervisor of the thesis. Funds and logistics were provided by Dr Salim Al Rawahi from his HM project. I organized the paper, wrote an important part of it, shaped it, finished and submitted

* 1. Mbaga, M.;Shabibi, M.; Boughanmi, H.; Zekri, S. 2011. A Comparative Study of Dates Export Supply Chain Performance: The Case of Oman and Tunisia. Benchmarking: an International Journal. 18(3), 386 – 408

This paper is an extension of the Master thesis of Mr. Mohamed Shabibi. I was in the supervising committee. My contribution was minor in this paper

* 1. Zekri, S.; Mbaga, M.; Fouzai, A.; Al-Shaqsi, S. 2011. Recreational value of an Oasis in Oman. Environmental Management: 48(1), 81-88

Provided research leadership, organized the team and the logistical management. Raised the funds for the project (IG). Identified the problem, participated in designing the methodology and wrote major part of the paper (except the econometric model which was developed by Dr Mbaga), shaped the paper, finished and submitted.

* 1. Gastli, A.; Charabi, Y.; Zekri, S. 2010. GIS-based assessment of combined CSP electric power and seawater desalination plant for Duqum—Oman. Renewable and Sustainable Energy Reviews, 14 (2) 821–827

Contributed to the writing of the paper in its water component and nexus

* 1. Zekri, S. 2009. Controlling Groundwater Pumping Online. Journal of Environmental Management, 90 (2009) 3581–3588.
  2. Kotagama, H; Boughanmi, H; Zekri, S; Prathapar, S. 2008. Food security as a public good: Oman’s prospects. Sri Lankan Journal of Agricultural Economics. 10-11(1), 61-74.
  3. Zekri, S.; Mbaga, M.; Boughanmi, H. 2008. Fishermen Willingness to Participate in an Insurance Program in Oman. Marine Resource Economics, 23, 119-131.
  4. Zekri, S. 2008.Using Economic incentives and Regulations to Reduce Seawater Intrusion in the Batinah Coastal Area of Oman.. Agricultural Water Management, 95, 243-252
  5. Zekri, S. and Al-Marshudi, A. 2008. A Millenarian Water Rights System and Water Markets in Oman. Water International, 33(3), 350-360
  6. Al-Said, F.A.; Zekri, S.; Khan, I. 2007. Farm Profitability in the Batinah region in Oman. Agricultural and Marine Sciences, 12, 1-12.
  7. Boughanmi, H.; Zekri, S.; Opara, L. U. and Al-Hassani. M. 2007. The Effects of Multilateral Trade Liberalization on Agriculture: The Case of the Gulf Cooperation Council (GCC) Countries. Agricultural Economics Review, 8(2), 57-65.
  8. Zekri, S. and Easter, W.; 2007. Water Reforms in Developing Countries: Management Transfers, Private Operators and Water Market. Water Policy. 9(6), 573-589.
  9. Zekri, S.; Kotagama, H.; and Boughanmi, H.; 2006. Temporary Water Markets in Oman. Agricultural and Marine Sciences, 11 (SI), 77-84.
  10. Zekri, S. and Easter, W.; 2005. Estimating the Potential Gains from Water Markets: A Case Study from Tunisia. Agricultural Water Management. 72, 161–175.
  11. Easter, W. and Zekri, S.; 2004. Reform of Irrigation Management and Investment Policy in African Development. South African Journal of Economic and Management Sciences. 7, 652-663
  12. Zekri, S. and Dinar. A. 2003. Welfare Consequences of Water Supply Alternatives in Rural Tunisia. Agricultural Economics, 28, 1-12.
  13. Zekri, S. and Laajimi, R. 2001. Etude de la Compétitivité du Sous-secteur Agrumicole en Tunisie. Cahiers Options Méditerranéennes, 57, 9-16.
  14. Mimouni, M.; Zekri, S. and Flichman, G. 2000. Modelling the Trade-offs Between Farm Income and the Reduction of Erosion and Nitrate Pollution. Annals of Operations Research, 94, 91-103.
  15. Louhichi, K.; Flichman, G. and Zekri, S. 1999. Un Modèle Bioéconomique pour Analyser l’Impact de la Politique de Conservation des Eaux et du Sol. Economie Rurale, 252, 55-64.
  16. Laajili Ghezal, L., Aloui, T., Beji, M.A. Zekri, S., (1998). Optimization of Soil and Water. Conservation Techniques in a Watershed of the Tunisian Semi-Arid Region. Advances in GeoEcology, 31, 341-354.
  17. Zekri, S. ; Ghezal, L.; Aloui, T. and Djebbi, K. 1997. Les Externalités Négatives de l’Utilisation des Eaux Usées Traitées en Agriculture. Cahiers Options Mediterranéennes, 31, 193-216.
  18. Zekri, S. 1995. Analyse Comparative des Instruments de Lutte Contre la Pollution. Cahiers Options Mediterranéennes, 9, 61-73.
  19. Zekri, S., L. Echi and M. Sghaier. 1996. Tunisia. In: Water Pricing Experiences, An International Perspective. A. Dinar and A. Subramanian (Editors). World Bank Technical Papers N° 386. 125-133.
  20. Zekri, S. and Herruzo, A.C. 1994. Complementary Instruments to EEC nitrogen Policy in Non-sensitive Areas: A Case Study in Southern Spain. Agricultural Systems, 46, 245-255.
  21. Dridi, N.; Zekri, S.; and Lara, P. 1994. Intégration de l'Elevage dans les Petites Exploitations Irriguées: Une Approche Multicritère en Deux Etapes. MEDIT, 5, 36-41.
  22. Herruzo, A.C. and Zekri, S.. 1993. El Sector del Arroz en España. Ventajas Comparativas Entre las Distintas Zonas Productoras. Revista de Estudios Agro-Sociales, 163, 127-147.
  23. 51-Zekri, S. and Romero, C. 1993. Public and Private Compromises in Agricultural Water Management. Journal of Environmental Management, 37, 281-300.
  24. Zekri, S. and Albisu, L.M. 1993. Economic Impact of Soil Salinity in Agriculture. A Case Study: Bardenas Area (Spain). Agricultural Systems, 41, 369-386.
  25. Fernández-Santos, X.; Zekri, S.; and Herruzo, A.C. 1993. On farm Costs of Reducing Nitrogen Pollution through BMP'S. Agriculture, Ecosystems & Environment, 45, 1-11.
  26. Fernández-Santos, X.; Zekri, S. and Herruzo, A.C. 1992. Impacto Económico Ambiental del Uso del Nitrógeno en una Cuenca de Riego del Guadalquivir. Investigación Agraria: Economía, 7, 325-338.
  27. Zekri, S. and Romero, C. 1992. A Methodology to Assess the Current Situation in Irrigated Agriculture: An Application to the Village of Tauste (Spain). Oxford Agrarian Studies, 20, 75-88.
  28. Ghoudi, Z.; Zekri, S. and Ben Said, M. 1992. Aide à la Décision Multicritère: Application à la Coopérative El Majen. MEDIT, 3, 39-44.
  29. Zekri, S. and Romero, C. 1991. Influencia de las Preferencias del Centro Decisor y de los Incentivos Económicos en la Reducción de la Contaminación por Sales. Investigación Agraria: Economía, 6, 223-239.
  30. Zekri, S. 1991. La Contaminación Agraria Difusa del Regadío. Algunas Reflexiones. Revista de Estudios Agro-Sociales, 153, 93-118.
  31. Zekri, S. 1991. El Sistema bancario Basado en el Uso de Tasas de Rendimiento. Revista de Fomento Social, 183, 291-302.

**B. Books**

1. Maktoumi, A.; Abdulla, O.; Kacimov, A.; Zekri, S.; Chen, M.; Al-Hosni, T.; Madani, K. 2021. Water Resources in Arid Lands: Management and Sustainability. Springer Nature Switzerland AG. Advances in Science, Technology and Innovation. Interdisciplinary Series for Sustainable Development. eBook ISBN 978-3-030-67028-3.
2. Zekri, S. (Editor). 2020. Water Policy in MENA countries. Springer. 202 pages. Springer Nature Switzerland AG 2020. ISSN 2211-0631 ISSN 2211-0658 (electronic) Global Issues in Water Policy ISBN 978-3-030-29273-7 ISBN 978-3-030-29274-4 (eBook). https://doi.org/10.1007/978-3-030-29274-4
3. Ben Mechlia, N; Oweis, T.; Masmoudi, M.; Mekki, I.; Zante, P.; Zekri, S. 2008. Conjunctive use of Rain and Irrigation Water from Hill Reservoir in Agriculture in Tunisia. ICARDA. ISBN: 92-9127-210-8
4. Khaldi, R.; Zekri, S. 2002. Production and Marketing of Legumes in Tunisia. In French. L’étude des légumineuses alimentaires dans les systèmes de production du Nord de la Tunisie. Ministry of Agriculture. Tunis. 92 pages
5. Zekri, S.; Albisu, L.M.; Aragues, R.; Herrero, J. 1990. Economic Impact of Soil salinity on Agriculture in Bardenas. In Spanish. Impacto Economico de la Salinidad de los Suelos en la Agricultura de Bardenas I. Ministerio de Agricultura Pesca y Alimentación. Spain. Comunicaciones INIA. Serie Economia. 129 pages

**C. Book Chapters**

* 1. Zekri, S.; Al-Maamari, A. 2020. An Overview of the Water Sector in MENA Region. In Zekri, S. (Editor). 2020. Water Policy in MENA countries. Chapter 1, pages 1-18. Springer, Switzerland. https://doi.org/10.1007/978-3-030-29274-4.
  2. Zekri, S. 2020. Oman Water Policy. In Zekri, S. (Editor). 2020. Water Policy in MENA countries. Chapter 6, pages 113- 134. Springer, Switzerland. <https://doi.org/10.1007/978-3-030-29274-4>.
  3. Zekri, S. 2020. The Water Sector in MENA Region: The Way Forward. In Zekri, S. (Editor). 2020. Water Policy in MENA countries. Chapter 9, pages 185-200. Springer, Switzerland. <https://doi.org/10.1007/978-3-030-29274-4>.
  4. Zekri, S.; Powers, D.; Al Ghafri, A. 2014. Centuries Old Water Markets in Oman. Water Markets for the 21st Century: What we have learned. Edited by K. William Easter and Qiuqiong Huang. Springer. Book series on Global Issues in Water Policy. Springer. Chapter 8, pages 149-162, The Netherlands.
  5. Zekri, S. and Boughanmi, H. 2007. Modelling the Interactions between Agriculture and the Environment. In: Management of Natural resources: Handbook of Operations Research in Natural Resources (Andrés Weintraub, Carlos Romero, Trond Bjornndal and Rafael Epstein, editors) Springer, New York, pages 69-91.
  6. Selmi, S.; Zekri, S. 1995. Evaluation Economique et Environnementale des Lacs Collinaires en Tunisie. Le cas dEl Gouazine (Ousslatia-Kairouan). In: L’Homme peut-il refaire ce qu’il a défait. Pontanier, R; M’hiri, A; Akrimi, N; Aronson, J; Le Floc’h (Editors). John Libbey Eurotext,Paris. 439-448.
  7. Alvarez, A.; Herrozo, A.C.; Zekri, S. 1995. Inter-temporal Profits from Soil Conservation Practices in Mediterranean Dry Farming. In Environmental and Land Use Issues: An Economic Perspective. Albisu, L. M; & Romero, C (Editors). Wissenschaftsverlag Vau. Kiel KG. 277-286.
  8. Mezghani, S.; Zekri, S. 1995. A Financial Analysis of Soil Conservation Works at Farm Level. A Case Study in the Semi-Arid Region of Kef (Tunisia). In Environmental and Land Use Issues: An Economic Perspective. Albisu, L. M; Romero, C (Editors). Wissenschaftsverlag Vauk. Kiel KG. 431-438.
  9. Zekri, S., Romero, C., 1992. Ecological versus Economical Objectives: A Public Decision-Making Problem in Agricultural Water Management”. In Issues in Agricultural Development - Sustainability and Cooperation. International Association of Agricultural Economists. Occasional paper No. 6. Tokyo (Bellamy, M. & Greenshields, B., Editors). Dartmouth Publishing Company, 1992, pp. 135-141.

**D. Technical Reports**

1. Slim Zekri. 2021. A Review Paper on Water-Energy Nexus in the GCC Countries: An Economic and Policy Perspective. 84 pages. Sultan Qaboos University. December 2021. World Bank.
2. Slim Zekri, Nabil Channouf, MariaGrazzia Rocchigiani . 2021. Small-Scale and Family Farmers’ Collective Action in Managing Natural Resources in Oman: The Aflaj System. Current Performance and Potential for Improvement. FINAL REPORT to FAO/MAFWR 58 pages.
3. Slim Zekri, Tarig Gibreel, Hemesiri Kotagama. 2019. Strengthening National Capacities of Producer Organizations in the Sultanate of Oman. FINAL REPORT to FAO/MAF. 79 pages.
4. Slim Zekri, Othman Alqaisi, Abdullah S Al Abri, Mohammed H. Al Rizeiqi. 2017. Milk Production and Processing at CAMS: Scenarios Analysis. Sultan Qaboos University, College of Agricultural and Marine Sciences, Muscat, Oman. December 15th 2017. Submitted to the Dean of CAMS
5. Slim Zekri. 2016. Quantitative Assessment of the Impacts of Climate Change on Agriculture and Livestock. Ministry of Environment and Climate Affairs. Climate Change Oman Strategy. MECA-UNEP. 65 pages.
6. Slim Zekri. 2015. Agricultural Policy Report. Sustainable Agricultural & Rural Development Strategy 2040. FAO-MAF. 30 pages.
7. Slim Zekri. 2014. Regional Initiative on Water Scarcity in Oman. FAO-MAF Country. Report. 118 pages.
8. Zekri, S. 2012. As an Agricultural Economist Expert. Co-authored the Oman Salinity Strategy. MAF-ICBA. 149 pages plus annexes.

**Funding Grants**

|  |  |  |  |
| --- | --- | --- | --- |
| Agency | Investigators | Project title | Years |
| QNRF – NATIONAL PRIORITY RESEARCH PROGRAM | Dr. Triki, C. (LPI).  Prof. Slim Zekri. (PI)  Dr. Ali Al-Maktoumi.(PI);  Dr. Kaveh Madani | Combining Dynamic Storage and Recovery Techniques with the Use of Smart Water Metering for the Multi-Period Aquifers Management in Qatar. 36 months. Started April 2021. | 2021 |
| SQU- National Research Foundation in South Africa | S. Zekri PI  D. Racine PI | Decentralized Grey water Treatment As Alternative Option of water Scarcity Mitigation: Comparative Studies and Exchange of Experiences between South Africa and Oman | 2018-2019 |
| SQU/ Internal Grant | S. Zekri PI  A. Kacimov Co-PI | Dynamic Conservation and Management of Aflaj: Tanuf as a Pilot Study | 2018-2020 |
| The Research Council | S. Ismaily PI  S. Sekri Co-I | Artificial Capillary Barriers: A smart Agro-engineering Technique for Saving Irrigation Water in Oman | 2017-2020 |
| The Research Council and RSA Electronics from Iran | S. Zekri P.I  Hemantha (Co-PI) | Monitoring Groundwater Using Energy Water Smart Meters and Precision Irrigation | 2011-15 |
| USAID | 1. Maktoumi, PI   S. Zekri Co-I | Managed Aquifer Recharge Using Treated Wastewater in Different Geological Settings of MENA Countries | 2014-15 |
| SQU/internal grant | Zekri, S (PI); S. A Prathapar (Co-PI) | Integrated Urban Water Management in Great Muscat | 2010-12 |
| SQU/internal grant | Zekri, S (PI); Helmi, T (Co-I, from MRMWR) | Damage Cost in Dry Aflaj and Live Aflaj Value for Recreation | 2008-2010 |
| SQU/internal grant | Zekri, S (PI); Boughanmi, H (Co-PI) | Water Markets In Aflaj Systems: Economic Efficiency and Institutions | 2004-07 |
| SQU/internal grant | Kotagama, H (PI) Zekri, S Co-Investigator | Economic and Institutional Aspects of Kingfish Management | 2004-07 |
| SQU/internal grant | Boughanmi, H (PI) Zekri, S Co-Investigator |  | 2005-08 |
| Fulbright Foundation USA | Zekri, S (PI) | Irrigation water management and institutional changes | 2002-03 |
| Secretariat d'Etat à la Recherche, Tunisia | Khaldi, R (PI); Zekri, S (Co-PI) | Competitiveness of large farms in Cereal Production in the North-East of Tunisia | 2000-01 |
| Centre International de Hautes Etudes Agronomiques Mediterraneennes, Montpellier, France | Zekri, S (PI); Flichman, G | Agricultural Environmental Problems in Northern Tunisia | 1998-01 |
| International Center for Agricultural Research in the Dry Areas | Khaldi, R (PI); Zekri, S (Co-PI) | Economics of legumes in Tunisia | 1998-99 |
| Centre International de Hautes Etudes Agronomiques Mediterraneennes, Paris, France | Zekri, S (PI); Laajili, L and Aloui, T(co-investigators) | Environmental and financial impacts of treated wastewater reuse in irrigation | 1996-97 |
| International Center for Agricultural Research in the Dry Areas | Rodriguez, A (PI); Zekri, S (Co-PI); Laajili, L (co-investigator) | Economic evaluation of small dams impacts on erosion and farmers income | 1996-1997 |
| Ministerio de Ciencias y Technologias, Madrid, Spain | Herruzo, C; (PI); Zekri, S(Co-investigator) | Comparative advantages of rice production within Spanish provincias | 1991-93 |
| Ministerio de Ciencias y Technologias, Madrid, Spain | Romero, C (PI); Zekri, S; Canas, J.A; Domingo, J; Lara,P (Co-Investigators) | Research Group on Multiple Criteria Decision making | 1992-96 |

**Contracts & Consultancies**

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| **Agency** | **Year** | **Investigators** | **Project title** |
| World Bank | 2021 | Zekri, S | Water-Energy Nexus in the GCC Countries: An Economic and Policy Perspective |
| FAO | 2020 | Zekri, S (PI) and Chennouf, N (Co-PI) | A study on efficient small scale and family farmers’ collective action in managing natural resources and achieving food security in Oman. |
| AZD- Ministry of Agriculture and Fisheries | 2019-2020 | Zekri, S (PI) ; Kotagama, H. (Co-PI) and Jayasuriya, H (Co-PI) | Long-Term Strategy and a Business Plan for Hanfeet, Dawkah and Bin Khotar Farms in Najd. |
| SCTP- LEA Associates | 2017-2018 | S. Zekri, PI | Consultancy services for the Preparation of Regional Spatial Strategy (RSS) for the Governorates of Al Batinah South and Muscat. (Oman) |
| FAO | 2017-18 | Zekri, S (PI) ; Kotagama, H. (Co-PI) and Gibreel, T | Strengthening National Capacities of Producer Organizations in the NENA Region” in the Sultanate of Oman |
| MECA/UNEP | 2015-16 | Charabi, Y (PI) ;  Zekri, S. Investigator | National Strategy for Adaptation and Mitigation of Climate Change in Oman |
| FAO | 2015 | Zekri, S | National Expert in Policy analysis. Sustainable Agriculture and Rural Development Strategy 2040 |
| Ministry of the Environment & Climate Affairs MECA | 2014-15 | Al Wardi, M (PI);  Zekri, S. Investigator | Mapping, monitoring and Mitigation of Land Degradation in North/South Sharquia and Jabal Al Akhdar |
| FAO | 2014 | Zekri, S | Regional Initiative on Water Scarcity in Oman |
| UNEP | 2012 | Gastli, A (PI) Zekri, S. Agric. Expert | Oman Initial National Communication to the UNFCCC. |
| FAO | 2010 | Zekri Slim | Sustainable Development for Irrigated Agriculture in Al-Hassa. Saudi Arabia |
| ICBA International Center for Biosaline Agriculture | 2010-2011 | Zekri, S. Economics Team Leader | Oman Salinity Strategy |
| Supreme Committee of Town Planning, Sultanate of Oman | 2010-11 | Zekri Slim | Agriculture Expert: A Comprehensive Master Plan for Al-Batinah Coastal Area |
| FAO | 2008 | Zekri, S & Abdalla, O | Groundwater management in the Sultanate of Oman |
| FAO | 2007 | Zekri, S & Mamary, S | Palm tree and associated crops in Oman |
| Ministry of Agriculture and Fisheries, Sultanate of Oman | 2007 | Goddard, S (PI), Zekri, S (I) | Integrated tilapia farming |
| Ministry of Commerce, Sultanate of Oman | 2003 | Clearboudt, M (PI)  Zekri, S (Co-PI) | Economic and environmental feasibility study of semi-submersible vessel for coral reef and marine fauna seeing in Daymaniyat island |
| GTZ/ PSEMA-project, Tunis | 2002 | Zekri, S | Partial equilibrium models and their potential application for the agricultural sector in Tunisia |
| ODESYPANO and German Cooperation GTZ Tunisia | 2002 | Zekri, S and Selmi, C | Ex-post evaluation of four rural development projects in Ain Draham, Tunisia |
| Ministry of Agriculture, and SIRUS, Tunisia. | 2002 | Zekri, S; Tounsi, M | Economic evaluation of the feasibility of drainage for an irrigated area in the governorate of Jendouba, Tunisia |
| Ministry of Agriculture, and SIRUS, Tunisia. | 2001 | Zekri, S; Tounsi, M | Socio-economic evaluation of two reservoirs for irrigation in Jendouba and Gafsa, Tunisia |
| Swedish Farm and Agro-industrial Services AB, for the African Development Bank. | 2001 | Zekri, S | Performance evaluation of the irrigation sector in North Africa. |
| Ministry of Agriculture, and SIRUS, Tunisia. | 2000 | Zekri, S; Benrhouma, M | Assessment of the socio-economic feasibility of eight reservoir hills in Sousse, Ariana, Zaghouan and Beja |
| World Bank, Ministry of Agriculture, SIRUS | 1999 | Zekri, S | Supply strategies for an export company of olive oil in Tunisia |
| SICAM Group | 1999 | Zekri, S | An optimazation model for a commercial irrigated farm of 1000 ha in Jendouba, Tunisia |
| World Bank | 1998 | Remili, M (PI); Lahoual, M; Zekri, S; Bouzaiane, L; | Impact of free trade agreement with the EU on Tunisia's agricultural sector |
| World Bank | 1998-99 | Zekri, S | Economic impact of climate change on Tunisia's agricultural sector |
| World Bank; Ministry of Agriculture | 1997 | Tounsi, M (PI);  Zekri, S | Rural domestic water demand in Tunisia |

COMMUNITY SERVICES

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| **No.** | 1. **Peer Reviewer for the following Journals** |
| 1 | Sustainable Cities and Society |
| 2 | Hydrogeology Journal |
| 3 | Journal of Environmental Management |
| 4 | Journal of Water Reuse and Desalination |
| 3 | Journal of Water Resources Planning and Management |
| 4 | Journal of Multicriteria Decision Analysis |
| 5 | Water resources and Rural Development |
| 6 | Arabian Journal of Geosciences |
| 7 | Water Policy |
| 8 | Water International |
| 9 | Agricultural Water Management |
| 10 | Spanish Journal of Agricultural Research |
| 11 | International Journal of Modelling and Simulation |
| 12 | Economía Agraria |
| 13 | Revista de Estudios Agro-Sociales |
| 14 | Options Mediterraneenes |
| 15 | Journal of Agricultural and Marine Sciences |
| 16 | Agricultural Systems |

1. **Associate Editor**

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| **No.** | **Year** | **Associate Editor** |
| 1 | 2014-date | Water Economics and Policy |
| 2 | 2014-2019 | Journal of Agricultural & Marine Sciences |

1. **Member of international Organizations**
2. Member of the International Association of Agricultural Economists 1990-date
3. Member of the International Water Resource Economics Consortium 2012-date
4. Member of the International Association of Hydrogeologists 2014-date
5. Member of Oman Water Society 2013-date
6. Member of the European Association of Agricultural Economists. 1990-2003
7. Member of the International Society on Multiple Criteria Decision Making since 1994
8. Vice President of ATA-IAMZ association. 1994-96
9. President of ATA-IAMZ association, Sept.1997-2000.