

Online Resource 1 Overview of studies used in the systematic review

Overview of all the studies included in the systematic review sorted by country (listed in alphabetical order). Some studies are listed multiple times because they reported adaptations on locations in more than one country.

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| Albania | Abdesselam, S., Halitim, A., Jan, A., Trolard, F., & Bourrié, G. (2013). Anthropogenic contamination of groundwater with nitrate in arid region: case study of southern Hodna (Algeria). <i>Environmental Earth Sciences</i> , 70(5), 2129–2141. https://doi.org/10.1007/s12665-012-1834-5 |
| Algeria | <p>Bouarfa, S., Marlet, S., Douaoui, A., Hartani, T., Mekki, I., Ghazouani, W., Aissa, I., Vincent, B. Hassani, F., Kuper, M. (2009). Salinity patterns in irrigation systems, a threat to be demystified, a constraint to be managed: Field evidence from Algeria and Tunisia. <i>Irrigation and Drainage</i>, 58(S3), S273–S284. https://doi.org/10.1002/ird.524</p> <p>Daoudi, A., Terranti, S., Hammouda, R. F., & Bedrani, S. (2013). Adaptation à la sécheresse en steppe algérienne : le cas des stratégies productives des agropasteurs de Hadj Mechri. <i>Cahiers Agricultures</i>, (4), 303–310. https://doi.org/10.1684/agr.2013.0629</p> <p>Hamamouche, M. F., Kuper, M., Riaux, J., & Leduc, C. (2017). Conjunctive use of surface and ground water resources in a community-managed irrigation system — The case of the Sidi Okba palm grove in the Algerian Sahara. <i>Agricultural Water Management</i>, 193, 116–130. https://doi.org/10.1016/j.agwat.2017.08.005</p> <p>Imache, A., Bouarfa, S., Kuper, M., Hartani, T., & Dionnet, M. (2009). Integrating “invisible” farmers in a regional debate on water productivity: The case of informal water and land markets in the Algerian Mitidja plain. <i>Irrigation and Drainage</i>, 58(S3), S264–S272. https://doi.org/10.1002/ird.523</p> <p>Laoubi, K., & Yamao, M. (2009). A typology of irrigated farms as a tool for sustainable agricultural development in irrigation schemes: The case of the East Mitidja scheme, Algeria. <i>International Journal of Social Economics</i>, 36(8), 813–831.</p> <p>Maachou, H. M., & Otmane, T. (2016). L’agriculture périurbaine à Oran (Algérie): diversification et stratégies d’adaptation. <i>Cahiers Agricultures</i>, 25(2), 25002. https://doi.org/10.1051/cagri/2016011</p> <p>Rouabhi, A., Mekhlouf, A., Mokhneche, S., & Elkolli, N. (2016). Farming transitions under Socio-economic and climatic constraints in the southern part of Sétif, Algeria. <i>Journal of Agriculture and Environment for International Development</i>, 110(1), 139–153.</p> <p>Sikor, T., Müller, D., & Stahl, J. (2009). Land Fragmentation and Cropland Abandonment in Albania: Implications for the Roles of State and Community in Post-Socialist Land Consolidation. <i>World Development</i>, 37(8), 1411–1423. https://doi.org/10.1016/j.worlddev.2008.08.013</p> |
| Cyprus | Phillips Agboola, O., & Egelioglu, F. (2012). Water scarcity in North Cyprus and solar desalination research: a review. <i>Desalination and Water Treatment</i> , 43(1–3), 29–42. https://doi.org/10.1080/19443994.2012.672195 |
| Egypt | <p>El-Agha, D. E., Molden, D. J., & Ghanem, A. M. (2011). Performance assessment of irrigation water management in old lands of the Nile delta of Egypt. <i>Irrigation and Drainage Systems</i>, 25(4), 215–236. https://doi.org/10.1007/s10795-011-9116-z</p> <p>Mostafa, H., & Fujimoto, N. (2015). Monitoring and evaluation of irrigation management projects in Egypt. <i>Japan Agricultural Research Quarterly</i>, 49(2), 111–118.</p> |
| France | <p>Bento, S., Fatima, D., Errahj, M., Faysse, N., Garin, P., Audrey, R. F., Rinaudo, J.D., Rollin, D., Schmidt, L., Varanda, M. (2009). Farmers’ relations to climate variabilities and changes: the case of groundwater users of coastal aquifers in France, Portugal and Morocco. In 9th Conference of the European Sociological Association.</p> <p>Coll, P., Le Cadre, E., Blanchart, E., Hinsinger, P., & Villenave, C. (2011). Organic viticulture and soil quality: A long-term study in Southern France. <i>Applied Soil Ecology</i>. https://doi.org/10.1016/j.apsoil.2011.07.013</p> |

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Vincent, A., & Fleury, P. (2015). Development of organic farming for the protection of water quality: Local projects in France and their policy implications. *Land Use Policy*, 43, 197–206. <https://doi.org/10.1016/j.landusepol.2014.10.020>

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Foteinis, S., & Chatzisyneon, E. (2016). Life cycle assessment of organic versus conventional agriculture. A case study of lettuce cultivation in Greece. *Journal of Cleaner Production*, 112, 2462–2471. <https://doi.org/10.1016/j.jclepro.2015.09.075>

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Morocco Ameer, F., Kuper, M., Lejars, C., & Dugué, P. (2017). Prosper, survive or exit: Contrasted fortunes of farmers in the groundwater economy in the Saiss plain (Morocco). *Agricultural Water Management*, 191, 207–217. <https://doi.org/10.1016/j.agwat.2017.06.014>

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Syria

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Tunisia

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Turkey

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