

# Salem Bouri

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,259  
citations

393982

19  
h-index

395343

33  
g-index

56  
all docs

56  
docs citations

56  
times ranked

916  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil salinity and its associated effects on soil microorganisms, greenhouse gas emissions, crop yield, biodiversity and desertification: A review. <i>Science of the Total Environment</i> , 2022, 843, 156946.	3.9	105
2	Groundwater vulnerability and risk mapping of the Hajeb-jelma aquifer (Central Tunisia) using a GIS-based DRASTIC model. <i>Environmental Earth Sciences</i> , 2010, 59, 1579-1588.	1.3	103
3	Hydrogeochemical and stable isotope data of groundwater of a multi-aquifer system: Northern Gafsa basin – Central Tunisia. <i>Journal of African Earth Sciences</i> , 2016, 114, 174-191.	0.9	89
4	Sensitivity analysis in groundwater vulnerability assessment based on GIS in the Mahdia-Ksour Essaf aquifer, Tunisia: a validation study. <i>Hydrological Sciences Journal</i> , 2011, 56, 288-304.	1.2	65
5	A thirty-year artificial recharge experiment in a coastal aquifer in an arid zone: The Teboulba aquifer system (Tunisian Sahel). <i>Comptes Rendus - Geoscience</i> , 2010, 342, 60-74.	0.4	63
6	A global risk approach to assessing groundwater vulnerability. <i>Environmental Modelling and Software</i> , 2017, 88, 168-182.	1.9	59
7	Implementation and evaluation of multivariate analysis for groundwater hydrochemistry assessment in arid environments: a case study of Hajeb Elyounâ€“Jelma, Central Tunisia. <i>Environmental Earth Sciences</i> , 2013, 70, 2215-2224.	1.3	51
8	A GIS-based susceptibility indexing method for irrigation and drinking water management planning: Application to Chebbaâ€“Mellouleche Aquifer, Tunisia. <i>Agricultural Water Management</i> , 2009, 96, 1683-1690.	2.4	47
9	Groundwater management based on GIS techniques, chemical indicators and vulnerability to seawater intrusion modelling: application to the Mahdiaâ€“Ksour Essaf aquifer, Tunisia. <i>Environmental Earth Sciences</i> , 2013, 70, 1551-1568.	1.3	44
10	Mapping potential zones for groundwater recharge and its evaluation in arid environments using a GIS approach: Case study of North Gafsa Basin (Central Tunisia). <i>Journal of African Earth Sciences</i> , 2018, 141, 107-117.	0.9	38
11	Ã‰valuation de la qualitÃ© de l'eau par application de la mÃ©thode gÃ©oÃ©lectrique : exemple de la plaine d'El Midaâ€“Gabes nord (Sud tunisien). <i>Comptes Rendus - Geoscience</i> , 2006, 338, 1228-1239.	0.4	29
12	Effects of excessive irrigation of date palm on soil salinization, shallow groundwater properties, and water use in a Saharan oasis. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	28
13	Impacts of climate change on irrigation water requirement of date palms under future salinity trend in coastal aquifer of Tunisian oasis. <i>Agricultural Water Management</i> , 2020, 228, 105843.	2.4	27
14	Hydrochemistry and geothermometry of thermal groundwater of southeastern Tunisia (Gabes) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	0.6	25
15	Impacts of wastewater irrigation in arid and semi arid regions: case of Sidi Abid region, Tunisia. <i>Environmental Geology</i> , 2008, 53, 1421-1432.	1.2	24
16	Water vulnerability of coastal aquifers using AHP and parametric models: methodological overview and a case study assessment. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	24
17	Hydrochemical characterization of groundwater using multivariate statistical analysis: the Maritime Djeffara shallow aquifer (Southeastern Tunisia). <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	23
18	Assessment of Seawater Intrusion in Coastal Aquifers Using Multivariate Statistical Analyses and Hydrochemical Facies Evolution-Based Model. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 155.	1.2	21

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19	A synthetic approach integrating surface and subsurface data for prospecting deep aquifers: the Southeast Tunisia. <i>Environmental Geology</i> , 2008, 54, 1473-1484.	1.2	20
20	Impact of anthropogenic activities on the groundwater resources of the unconfined aquifer of Triffa plain (Eastern Morocco). <i>Arabian Journal of Geosciences</i> , 2013, 6, 4917-4924.	0.6	20
21	Soil salinisation and irrigation management of date palms in a Saharan environment. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 497.	1.3	19
22	Delineation of groundwater potentials of Sfax region, Tunisia, using fuzzy analytical hierarchy process, frequency ratio, and weights of evidence models. <i>Environment, Development and Sustainability</i> , 2021, 23, 14749-14774.	2.7	18
23	Assessment of groundwater vulnerability using a specific vulnerability method: Case of Maritime Djeffara shallow aquifer (Southeastern Tunisia). <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	17
24	Soil salinization and critical shallow groundwater depth under saline irrigation condition in a Saharan irrigated land. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	17
25	Use of HYDRUS-1D GIS tool for evaluating effects of climate changes on soil salinization and irrigation management. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 193-207.	1.3	16
26	Evaluation of groundwater hydrogeochemical characteristics and delineation of geothermal potentialities using multi criteria decision analysis: Case of Tozeur region, Tunisia. <i>Applied Geochemistry</i> , 2020, 113, 104504.	1.4	16
27	Modeling aquifer behaviour under climate change and high consumption: Case study of the Sfax region, southeast Tunisia. <i>Journal of African Earth Sciences</i> , 2018, 141, 118-129.	0.9	15
28	Subsurface Drainage System Performance, Soil Salinization Risk, and Shallow Groundwater Dynamic Under Irrigation Practice in an Arid Land. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 467-477.	1.7	15
29	Using a Mamdani Fuzzy Inference System Model (MFISM) for Ranking Groundwater Quality in an Agri-Environmental Context: Case of the Hammamet-Nabeul Shallow Aquifer (Tunisia). <i>Water (Switzerland)</i> , 2021, 13, 2507.	1.2	15
30	Hydrochemical analysis and evaluation of groundwater quality of a Mio-Plio-Quaternary aquifer system in an arid regions: case of El Hancha, Djebeniana and El Amra regions, Tunisia. <i>Arabian Journal of Geosciences</i> , 2013, 6, 2089-2102.	0.6	14
31	Impacts of climate change on water resources in arid and semi-arid regions: Chaffar Sector, Eastern Tunisia. <i>Desalination and Water Treatment</i> , 2014, 52, 2082-2093.	1.0	14
32	Assessment and mapping groundwater quality using hybrid PCA-WQI model: case of the Middle Miocene aquifer of Hajeb Layoun-Jelma basin (Central Tunisia). <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	14
33	The seawater intrusion assessment in coastal aquifers using GALDIT method and groundwater quality index: the Djeffara of Medenine coastal aquifer (Southeastern Tunisia). <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	14
34	Towards understanding groundwater quality using hydrochemical and statistical approaches: case of shallow aquifer of Mahdia Ksour Essaf (Sahel of Tunisia). <i>Environmental Science and Pollution Research</i> , 2020, 27, 5251-5265.	2.7	14
35	Comparison of three applied methods of groundwater vulnerability mapping: application to the coastal aquifer of Chebba Mellouleche (Tunisia). <i>Desalination and Water Treatment</i> , 2014, 52, 2120-2130.	1.0	13
36	Hydrogeological and mixing process of waters in deep aquifers in arid regions: south east Tunisia. <i>Arabian Journal of Geosciences</i> , 2014, 7, 799-809.	0.6	12

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37	Validation of two applied methods of groundwater vulnerability mapping: application to the coastal aquifer system of Southern Sfax (Tunisia). <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2015, 64, 719-737.	0.6	12
38	Surface irrigation performance of date palms under water scarcity in arid irrigated lands. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	12
39	The consequences of saline irrigation treatments on soil physicochemical characteristics. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2018, 3, 1.	0.6	11
40	Mapping recharge potential zones and natural recharge calculation: study case in Sfax region. <i>Arabian Journal of Geosciences</i> , 2015, 8, 5203-5221.	0.6	10
41	Assessing groundwater vulnerability to nitrate pollution using statistical approaches: a case study of Sidi Bouzid shallow aquifer, Central Tunisia. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	10
42	Groundwater quality evaluation and human health risks assessment using the WQI, NPI and HQnitrate models: case of the Sfax intermediate aquifer, Sahel Tunisia. <i>Environmental Geochemistry and Health</i> , 2022, 44, 2629-2647.	1.8	10
43	Hydrochemical and statistical studies of the groundwater salinization combined with MODPATH numerical model: case of the Sfax coastal aquifer, Southeast Tunisia. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	8
44	Hydrochemistry of thermal waters in Northeast Tunisia: water-rock interactions and hydrologic mixing. <i>Arabian Journal of Geosciences</i> , 2015, 8, 1743-1754.	0.6	7
45	EFA-CFA integrated approach for groundwater resources sustainability in agricultural areas under data scarcity challenge: case study of the Souassi aquifer, Central-eastern Tunisia. <i>Environment, Development and Sustainability</i> , 2021, 23, 12024-12043.	2.7	7
46	Thermal regime, groundwater flow and petroleum occurrences in the Cap Bon region, northeastern Tunisia. <i>Geothermics</i> , 2007, 36, 362-381.	1.5	6
47	Contribution of GIS tools and statistical approaches to optimize the DRASTIC model for groundwater vulnerability assessment in arid and semi-arid regions: the case of Sidi Bouzid shallow aquifer. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	5
48	Effects of climate change on key soil characteristics and strategy to enhance climate resilience of smallholder farming: an analysis of a pomegranate-field in a coastal Tunisian oasis. <i>Environmental Earth Sciences</i> , 2020, 79, 1.	1.3	4
49	Assessment of the effects of anthropogenic activities on the El Arich groundwater using hydrogeochemistry, GIS and multivariate statistical techniques: A case study of the semi-arid Kasserine region, Tunisia. <i>Environmental Quality Management</i> , 0, , .	1.0	3
50	Groundwater Quality Index Mapping for Irrigation Purposes in the El Hezma-El Hmila Aquifer (Medenine, Tunisia). <i>Clean - Soil, Air, Water</i> , 2022, 50, .	0.7	2
51	Integration of GIS and WEAP models for groundwater resource management in arid regions: case of the Djeffara-Medenine shallow aquifer (Southeastern Tunisia). <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	1
52	Groundwater potential recharge assessment in arid regions using GIS tool: case of the Medenine shallow aquifer (Southeastern Tunisia). <i>Applied Geomatics</i> , 2022, 14, 475-490.	1.2	1
53	Mise en Évidence de l'origine de la thermalité et de la minéralisation des eaux géothermales de Gabes sud, Sud-est tunisien. <i>Houille Blanche</i> , 2015, 101, 84-92.	0.3	0
54	Transfert hydraulique entre les aquifères profonds du sillon des Chotts, sud-ouest tunisien. <i>Houille Blanche</i> , 2015, , 58-65.	0.3	0

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55	Monitoring of Groundwater Suitability for Irrigation Under Severe Arid Conditions. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 599-618.	0.3	0