

Table S1. PRISMA 2020 Checklist

Section	Item	Checklist Item	Location
Title			
Title	1	Identify the report as a systematic review.	Title page ('...A Systematic Review').
Abstract			
Abstract	2	See the PRISMA 2020 for Abstracts checklist (structured summary of background, methods, results, conclusions).	Abstract
Introduction			
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	Section 1, Introduction.
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	Introduction, paragraphs 1–3
Methods			
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	Section 2, Materials and Methods
Information sources	6	Specify all databases, registers, websites, organizations, reference lists, and other sources searched, and the date each was last searched.	Section 2, Materials and Methods
Search strategy	7	Present the full search strategy for at least one database, including any filters and limits used, such that it could be repeated.	Section 2, Materials and Methods
Selection process	8	Specify the methods used to decide whether a study met the inclusion criteria, including how many reviewers screened each record/report, whether independently, and if applicable, details of automation tools.	Section 2; Section 3.1 (automation tools)
Data collection process	9	Specify the methods used to collect data from reports, including how many reviewers, whether independently, any processes for obtaining/confirming data from investigators, and if applicable, details of automation tools.	Section 2, Materials and Methods
Data items	10a	List and define all outcomes for which data were sought; state whether all results compatible with each outcome domain were sought.	Section 2, Materials and Methods; geographic location, oasis typology, thematic areas, methodological approaches, agrobiodiversity/TEK profiles.
	10b	List and define other variables for which data were sought (e.g., participant/study characteristics, funding sources); describe assumptions made about missing/unclear information.	Section 2, Materials and Methods

Study risk of bias assessment	11	Specify the methods used to assess risk of bias in the included studies, including tool(s), number of reviewers, and whether independent.	Not applicable
Effect measures	12	Specify the effect measure(s) used in the synthesis of results (e.g., risk ratio, mean difference).	Not applicable
Synthesis methods	13a-f	Describe processes for deciding synthesis eligibility, preparing data, tabulating/displaying results, and (if applicable) meta-analysis, heterogeneity, and sensitivity analyses.	Sections 3.4–3.5 (thematic and methodological classification)
Reporting bias assessment	14	Describe methods used to assess risk of bias due to missing results in a synthesis.	Not applicable
Certainty assessment	15	Describe methods used to assess certainty (confidence) in the body of evidence for each outcome.	Not applicable- no GRADE framework used
Results and Discussion			
Study selection	16a	Describe the results of the search and selection process, from records identified to studies included, ideally with a flow diagram.	Section 3.1, Figure 2 (PRISMA Flow Diagram) fully quantified (2,533 → 2,278 → 403 → 364 → 270).
	16b	Cite studies that might appear to meet inclusion criteria but were excluded, and explain why.	Section 3.1 (aggregate exclusion counts and reasons)
Study characteristics	17	Cite each included study and present its characteristics.	Aggregate/summary characteristics presented via tables and figures.
Risk of bias in studies	18	Present assessments of risk of bias for each included study.	Not applicable; see item 11
Results of individual studies	19	For all outcomes, present summary statistics and effect estimates for each study.	Not applicable; descriptive frequency data reported instead.
Results of syntheses	20a-d	Summarise characteristics/risk of bias, present synthesis results, heterogeneity, and sensitivity analyses.	Characteristics summarized per theme (Sections 3.2–3.7)
Results	21	Present assessment of risk of bias due to missing results for each synthesis.	Not addressed ; see item 14.
Results	22	Present assessment of certainty in the body of evidence for each outcome.	Not applicable.
Discussion	23a	Provide a general interpretation of the results in the context of other evidence.	Now merged into Section 3 ('Results and Discussion')
	23b	Discuss limitations of the evidence included in the review.	Limitations paragraph, end of Section 3.9
	23c	Discuss limitations of the review processes used.	Limitations paragraph, end of Section 3.9 (single-database search, language restriction, no formal risk-of-bias assessment, non-registration)
	23d	Discuss implications of the results for practice, policy, and future research.	Section 3.9; Section 4, Conclusions
Other Information			

Other information	24a	Provide registration information, including the register name and registration number, or state that the review was not registered.	Section 2, end (registration statement: review was not prospectively registered)
	24b	Indicate where the review protocol can be accessed, or state that a protocol was not prepared.	Section 2, end (registration statement: no formal protocol was prepared)
	24c	Describe and explain any amendments to information provided at registration or in the protocol.	Not applicable; no protocol was registered, so there are no amendments to report.
Support	25	Describe sources of financial or non-financial support for the review, and the role of the funders/sponsors.	Funding section present: 'This research received no external funding.'
Competing interests	26	Declare any competing interests of review authors.	Conflicts of Interest section present: authors declare none.
Availability of data, code and other materials	27	Report which of the following are publicly available: template data extraction forms; data extracted from included studies; analytic code; any other materials used in the review.	Data Availability Statement

Table S2. Characteristics of the included studies.

N°	Study	Ref. No.	Country	Oasis Characteristics		Agrobiodiversity Profile		Main Theme
				Location	Typology of Oasis	Key Species	Research Area (Cluster)	
1	Mhammad Houssni et al., 2023	[4]	Morocco	Rich, Aoufouss, Alnif, Zagora, Tata, Guelmim	Diverse oasis systems including mountain (High Atlas), river passage (Wadi Ziz, Draa Valley), foothill, and pre-Saharan (khattara/pumping systems)	<i>Not specifically detailed</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
2	Mohamed Taher Sraïri, Fatima Azahra M'ghar, et al., 2017	[5]	Morocco	Drâa River Valley Errachidia region	Traditional oasis agroecosystems	<i>D'man sheep, Goats, Cattle</i>	Animal Sciences, Farming Systems, Agricultural Economics	Diversity and performance of oasis livestock farming
3	El Mahroussi, M et al., 2025	[7]	Morocco	11 Pre-Saharan Oases in Tata and Guelmim provinces	Pre-Saharan oases (southwestern Anti-Atlas foothills)	<i>Punica granatum L. (Pomegranate - Guersmoum/Hamed variety), Ficus carica, Phoenix dactylifera</i>	Agrobiodiversity and Genetic Resources	Conservation, Ethnobiology, Agro-ecology
4	Nadjet Aroua, 2014	[8]	Algeria	M'Zab valley	Arid valley with Qanat (Foggara) / Ksar-based system	<i>Phoenix dactylifera L</i>	Ecohydrology and Natural Resource Management	Hydrology / Law
5	C. Rezzoug, B. Remini, S. Hamoudi, 2017	[9]	Algeria	Ouakda oasis (Béchar)	Traditional (Foggara/Chadouf) and modern borehole systems	<i>Phoenix dactylifera L</i>	Ecohydrology and Natural Resource Management	Hydrology
6	Latifa Dhaouadi et al., 2020	[10]	Tunisia	Southern Tunisia oases (Nefzaoua region, Kebili)	Continental oases and arid agrosystems relying on SASS (CT and CI) aquifers	<i>Not specifically detailed</i>	Ecohydrology and Natural Resource Management	Hydrology and Soil Science
7	Nessrine Zemni et al., 2025	[11]	Tunisia	Jemna oasis (Kebeli governorate, Southern Tunisia)	Saharan oasis / Modern monoculture oasis	<i>Phoenix dactylifera L.</i>	Agronomy and Production Systems	Agronomy / Irrigation
8	Salwa Zehdi et al., 2004	[12]	Tunisia	Tozeur, Gabès, Kébili, and Kerkennah islands	Traditional date palm groves (coastal and inland)	<i>Phoenix dactylifera L.</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
9	Meriem Farah Hamamouche et al., 2018	[13]	Algeria	Sidi Okba (Biskra)	Traditional ancient palm grove and modern extensions (Tadjdid)	<i>Not specifically detailed</i>	Agronomy and Production Systems	Agronomy
10	Vincent Battesti et al., 2018	[14]	Egypt	Siwa Oasis	Anthropogenic palm groves / Ancient crossroads	<i>Phoenix dactylifera L.</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
11	A. Birouk, 1989	[17]	Morocco	Ziz, Draa, Dades, Demnate, Mountain regions	Saharan and Mountainous oases; traditional systems	<i>Medicago sativa L.</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
12	Meriem Farah Hamamouche et al., 2015	[18]	Algeria	Sidi Okba (Biskra)	Traditional ancient palm grove and modern extensions (Tadjdid)	<i>Not specifically detailed</i>	Socio-economic and Cultural Dimensions	Socio-economy
13	Ali Daoudi, Caroline Lejars, 2016	[19]	Algeria	Biskra / Oued Righ	Expansion Oasis (Large-scale irrigation)	<i>Phoenix dactylifera L.</i>	Agronomy and Production Systems	Agronomy

14	W. A. Abdel Kawy & Islam H. Abou El-Magd, 2012	[20]	Egypt	South Farafra Oasis (AbuMinqar/Abou Munkhar)	Depression floor (aeolian sand deposits/playas)	<i>Clover, Wheat, Sugar beet, Onions</i>	Ecohydrology and Natural Resource Management	Hydrology / Agronomy
15	Mary M. A. McDonald, 1998	[21]	Egypt	Dakhleh Oasis	Southeast Basin (prehistoric settlement area)	<i>Cattle (Bos taurus), Goats, Sorghum, Millet, Gazelles</i>	Socio-economic and Cultural Dimensions	Archaeology
16	Abdelhak Rhouma et al., 2021	[24]	Tunisia	Chott Sidi Abdel Salam (Gabes)	Unique coastal oasis / Traditional three-layer system	<i>Date palm (Bouhattam), Pomegranate, Sheep, Poultry</i>	Agrobiodiversity and Genetic Resources	Ecology
17	Hichem Charieg et al., 2025	[25]	Tunisia	Gabès (Chenini, Chott Elferik, Chott Essalem, El Manzel)	Conventional oases with archaic irrigation systems / Peri-urban	<i>Date palms (Phoenix dactylifera), Pomegranate, Fig, Henna, Alfalfa.</i>	Sustainability, Rural Economy, Social-Ecological Systems (SES)	Resilience of vulnerable social-ecological systems and policy orientation
18	Ali Chabouni et al., 2024	[26]	Algeria	El-Menea, Tamentit, Timimoun, El Guerrara, Aoulef, In Ghar, Temacine	Saharian oases	<i>Medicago sativa L. (Perennial alfalfa)</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
19	Rachid Bel Messaoud et al., 2026	[27]	Algeria	El Oued	Saharan oasis agro-systems (small ruminant systems)	<i>Sheep, Goats</i>	Agronomy and Production Systems	Animal Production
20	Lisa Bossenbroek et al., 2024	[28]	Morocco	Drâa Valley and Todgha Valley	Traditional river valley oases	<i>Date palms, fruit trees, alfalfa, wheat, barley, rabbits.</i>	Socio-economic and Cultural Dimensions	Sociology
21	Mohamed Taher Sraïri, Hakim Amartini, 2024	[29]	Morocco	M'semrir and Tilmi (Dades valley, Haut Atlas central)	Mountain oases	<i>Apple orchards, Sheep, Goats</i>	Agronomy and Production Systems	Agronomy / Socio-economics
22	Amadou Tidiane Sall et al., 2019	[30]	Mauritania	Highlands (Gojam, Gonder, Shewa, Tigray, Wollo); Senegal River Valley (Daara, Kaedi)	Highland durum system (Vertisol/rainfed) and irrigated Saharan oasis wheat system	<i>Durum Wheat</i>	Agronomy and Production Systems	Agronomy
23	Ahlem Guettouchi et al., 2022	[31]	Algeria	Bou-Saâda	Traditional / Old oasis (Door of the Sahara)	<i>Phoenix dactylifera L. (Deglet-Nour, Mech-Degla)</i>	Agronomy and Production Systems	Agronomy / Biotechnology
24	Ahlem Maghzaoui et al., 2025	[32]	Tunisia	Kebili (multiple locations)	Date palm orchards/Traditional plantations	<i>Phoenix dactylifera L. cv. Deglet Nour</i>	Agronomy and Production Systems	Agronomy
25	Jamie Fico, 2026	[33]	Morocco	Zagora, Middle Draa Valley, and Feija Plain	Traditional oases (layered system) and groundwater-irrigated extensions	<i>Watermelon</i>	Agronomy and Production Systems	Agronomy
26	Chentoufi et al., 2014	[34]	Morocco	Atlas Mountains (Ziz valley: Er-Rich, Amouguer-Outerbate, Imilchil, etc.)	Traditional mountain agrosystem / Isolated area	<i>Triticum turgidum ssp. durum (Durum wheat), Vicia faba, Olea europaea</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
27	A. Othmani et al., 2020	[35]	Tunisia	Tozeur and Kebili	Date palm cultivar systems	<i>Deglet Noor, Ftimi (Allig), Kenta, Kentichi</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
28	Amine Mohamed Saidani et al., 2022	[37]	Algeria	Beni Isguen (M'zab Valley) and N'Tissa extensions	Traditional oasis (circular managed aquifer recharge) and modern extensions	<i>Phoenix dactylifera</i>	Ecohydrology and Natural Resource Management	Hydrology / Irrigation

29	Latifa Dhaouadi et al., 2022	[38]	Tunisia	Southern Tunisia oases	Continental oases and arid agrosystems relying on SASS (CT and CI) aquifers	<i>Date palm (Deglet Ennour), fruit trees, vegetables.</i>	Ecohydrology and Natural Resource Management	Hydrology
30	Farida Amichi, 2015	[39]	Algeria	El Ghrouss (Biskra)	Intensive market gardening and phoeniculture	<i>Date Palm (Phoenix dactylifera), Solanum lycopersicum.</i>	Socio-economic and Cultural Dimensions	Rural Development
31	E. A. Darwish et al., 2019	[40]	Egypt	Siwa Oasis, Nile Valley, Delta, Sinai	Traditional/rural architectural and handicraft systems	<i>Date Palm</i>	Socio-economic and Cultural Dimensions	Cultural Heritage
32	Hind Ftouhi, et al., 2021	[41]	Algeria and Morocco	Drâa Valley and M'zab Valley	Traditional oasis and oasean extensions	<i>Not specifically detailed</i>	Socio-economic and Cultural Dimensions	Socio-economics
33	Abdelaaziz Nogot et al., 2024	[42]	Morocco	Tinjdad (Errachidia)	Oasis traditionnelle de la vallée du Gheris / Agriculture biologique certifiée	<i>Date palm (Phoenix dactylifera), Seaweeds (Gelidium sesquipedale, Ascophyllum nodosum, Ecklonia maxima).</i>	Crop Protection and Biotic Health	Plant Physiology/Abiotic Stress
34	Amani Ben Alaya et al., 2024	[43]	Tunisia	Southern Tunisian oases (Tozeur, Kébili, Douz, Souk Lahad)	Oasian agro-system / Irrigated aquifers	<i>Phoenix dactylifera, Medicago spp., Fusarium spp.</i>	Crop Protection and Biotic Health	Plant Pathology / Biodiversity
35	A. Alahyane et al., 2019	[44]	Morocco	Drâa oasis (Zagora region)	Desert oasis	<i>Phoenix dactylifera L.</i>	Food Sciences and Biotechnology	Food Science
36	Mashaël M. Alotaibi, Alya Aljuaid, Ibtisam Mohammed Alsudays, et al., 2024	[45]	Egypt	Farafra Oasis (Village 13), New Valley Governorate	New reclaimed sandy salt-affected soil	<i>Barley (Hordeum vulgare)</i>	Agronomy, Soil Science, Plant Nutrition	Mitigating salinity stress in barley using bio-fertilizers
37	H. Kato et al., 2012	[46]	Egypt	Dakhla Oasis (Rashda village)	Western Desert Oasis	<i>Triticum aestivum, Oryza sativa, Phoenix dactylifera L.</i>	GIS	Remote Sensing
38	Atman Ait Lamqadem et al., 2019	[47]	Morocco	Middle Draa Valley	Stratified management (palms, fruit trees, and seasonal crops)	<i>Not specifically detailed</i>	GIS	Remote Sensing
39	Ahmed Sabri et al., 2017	[49]	Morocco	Tafilalet (Goulmima, Errachidia province)	Traditional and extensions outside traditional oases	<i>Majhoul cultivar (Phoenix dactylifera L.).</i>	Ecohydrology and Natural Resource Management	Hydrology / Agronomy
40	M'hamed Ahrabous et al., 2025	[50]	Morocco	Todgha Oasis (Tinghir province)	Traditional agriculture methods and natural landscapes	<i>Not specifically detailed</i>	Agrobiodiversity and Genetic Resources	Ecology
41	Mohamed Mahmoud Mohamed Ahmed, 2019	[51]	Egypt	Baheria, Al-Kharga, Faris (Aswan)	Large- and small-scale agricultural recycling/Traditional systems	<i>Phoenix daetylifera, Mango,</i>	Agronomy and Production Systems	Agronomy
42	Mouldi Ben Mohamed, 2003	[52]	Tunisia	Kébili region	Continental Intercalaire (CI) aquifer / Geothermal oases	<i>Phoenix dactylifera L. (Date palm)</i>	Agronomy and Production Systems	Agronomy
43	Brahim Askri, Sonia Khodmi, Rachida Bouhlila, 2022	[53]	Tunisia	Sagdoud oasis (Plain of Chott Al Gharsa, Gafsa)	Modern Saharan palm grove irrigated by Terminal Complex and Continental Intercalary aquifers	<i>Phoenix dactylifera</i>	Ecohydrology and Natural Resource Management	Hydrology

44	Djaoudene et al., 2019	[55]	Algeria	M'zab oasis (Ghardaia region)	Saharan oasis	<i>Phoenix dactylifera</i> L.	Food Science, Biochemistry, Pharmacology	Valorization of date seeds as a source of bioactive and functional ingredients
45	Salwa Zehdi-Azouzi et al., 2015	[56]	Mauritania	Mauritania to Pakistan (including Tunisian islands of Kerkennah and Djerba)	Traditional cultivation areas (Western and Eastern gene pools)	<i>Phoenix dactylifera</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
46	Souhila Moussouni et al., 2017	[57]	Algeria	Biskra, Oued Souf, Touggourt, Ouargla, Ghardaia, El Menia, Timimoun, Adrar, Beni Abbes, Tamanrasset	Isolated desert oases and coastal Saharan areas	<i>Phoenix dactylifera</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
47	Rqia Bourziza et al., 2017	[59]	Morocco	Tafilalet Oasis	Silty soil / Phœniciculture (Date palm)	<i>Phoenix dactylifera</i> L.	Ecohydrology and Natural Resource Management	Irrigation
48	Slimane Khayi et al., 2023	[60]	Morocco	Tafilalt-Rissani region	Oasis agriculture	<i>Fusarium oxysporum</i> f. sp. <i>albedinis</i> , <i>Phoenix dactylifera</i> L.	Crop Protection and Biotic Health	Phytopathology
49	Laala Djekiref et al., 2025	[61]	Algeria	Adrar, Ghardaïa, and Biskra	Southeastern date palm agroecosystems / Saharan oases	<i>Fusarium oxysporum</i> / <i>Phoenix dactylifera</i> L.	Crop Protection and Biotic Health	Plant Pathology
50	Rabhi et al., 2025	[62]	Algeria	Biskra region (Tolga and Foughala)	Date palm rhizosphere and root systems	<i>Phoenix dactylifera</i> L., <i>Fusarium oxysporum</i> , <i>Bacillus</i> spp.	Crop Protection and Biotic Health	Phytopathology
51	Farissi, M., 2013	[63]	Morocco	Tafilalet TATA	Arid and semi-arid regions	<i>Alfalfa (Medicago sativa</i> L.).	Agronomy and Production Systems	Agronomy
52	Maroua Guiza et al., 2022	[64]	Tunisia	Gabes, Tozeur, Kebili locations	Coastal and continental oases	<i>Alfalfa (Medicago sativa</i> L.)	Agronomy and Production Systems	Agronomy
53	S. Saidi et al., 2009	[65]	Tunisia	Mateur, Amra, Rjim Maâtoug, and El Hamma	Irrigated perennial Medicago sativa (alfalfa) culture	<i>Medicago sativa (Alfalfa)</i> , <i>Sinorhizobium meliloti</i> .	Agrobiodiversity and Genetic Resources	Agronomy
54	Touati, F.Z.B.; Boumadda, A.; Benbrahim, F.; et al., 2025	[66]	Algeria	Ziban Region	Arid agroecosystems (oasis-based irrigated systems)	<i>Medicago sativa</i> L.	Agrobiodiversity and Genetic Resources	Agronomy
55	Maria Zaharieva, Alain Bonjean, Philippe Monneveux, 2014	[67]	Libya, Algeria, Morocco	Ouargla, Touat, Gourara, Hoggar, Tidikelt, Bechar, Fezzan (Wadi al Shatii), Tafilalt	Saharan oases (wheat landraces cropping systems)	<i>Triticum aestivum</i> L., <i>Triticum durum</i> (Wheat)	Agronomy and Production Systems	Agronomy
56	Oumata et al., 2025	[69]	Algeria	Adrar, Bouda, Tamantit, Tsabit, Timmi and Timimoun	Arid and semi-arid climate oases	<i>Triticum aestivum</i> L. (<i>Bread wheat</i>) / <i>Triticum</i> spp.	Agrobiodiversity and Genetic Resources	Genetic Diversity
57	Zied Zriba et al., 2023	[70]	Tunisia	Negga oasis, Nefzaoua	Three-level agricultural system	<i>Barley (Hordeum vulgare</i> var. <i>Ardhaoui</i>); <i>Date Palm (Phoenix dactylifera)</i> .	Agronomy and Production Systems	Agronomy / Soil Science
58	Oula Maafi et al., 2021	[72]	Algeria	saharan oases	Arid and semi-arid climate oases	<i>Zea mays</i> L.	Agronomy and Production Systems	Agronomy / Genetic Selection

59	Robbana et al., 2021	[73]	Tunisia	Gafsa, Tozeur, Medenine		<i>Durum wheat (Triticum turgidum var. durum)</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
60	Hedia Bourguiba et al., 2021	[77]	Tunisia	Gafsa, Tozeur, Degache, Nefta, Tamaghza, Midess	Traditional oasis agroecosystems (Saharan and mountain); seed propagated	<i>Prunus armeniaca L.</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
61	Ali Mamouni, 2013	[78]	Morocco	Moulouya, Ziz, Dades, and Draa Valleys	Traditional oasis agroecosystems (seed-propagated)	<i>Prunus armeniaca L. (Apricot)</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
62	Khaldi, Z., Nafti, M., Jilani, M. T., 2022	[79]	Tunisia	Tunisian oasis region		<i>Capra hircus</i>	Agronomy and Production Systems	Agronomy / Animal Production
63	Mohamed Chniter et al., 2011	[81]	Tunisia	Oases of Southern Tunisia	Arid land oases	<i>Ovis aries (D'man breed)</i>	Agronomy and Production Systems	Animal Production
64	Bernard Faye et al., 2017	[82]	Algeria, Mauritania	Maghreb & Sahel	Saharan / Desert Oases	<i>Camelus dromedarius (Dromedary camel)</i>	Agronomy and Production Systems	Animal Production
65	Véronique Alary et al., 2022	[83]	Morocco	Guelmim-Oued Noun region and Tinghir province (Dadès valley)	Pastoral drylands / Oasis margins	<i>Sheep, Goats, Camels</i>	Socio-economic and Cultural Dimensions	Socio-economics / Pastoralism
66	Boualem Remini, Bachir Achour, Jean Albergel, 2011	[85]	Algeria	Timimoun	Saharan Oasis (Foggara/Qanat system)	<i>Date palm (Phoenix dactylifera L.).</i>	Ecohydrology and Natural Resource Management	Hydrology
67	Salem Idda, 2017	[86]	Algeria	Lahmeur (Touat zone), Adrar	Hybrid foggara-based system (traditional qanat and boreholes)	<i>Date palm, Tobacco, Henna.</i>	Ecohydrology and Natural Resource Management	Hydrology
68	Santoro et al., 2020	[88]	Tunisia	Mountain Oases (Midès, Chebika, Tamaghza)	Traditional mountain oases (Agroforestry heritage systems)	<i>Not specifically detailed</i>	Agrobiodiversity and Genetic Resources	Ecology
69	Cristiana Peano et al., 2021	[90]	Tunisia	El Hamma Oasis (Tozeur governorate)	Traditional Saharan oasis; polyculture and date palm agroforestry	<i>Phoenix dactylifera (Deglet nur, Alig, Kentichi...), Okra, Chili, Alfalfa, Chard, Fava bean</i>	Socio-economic and Cultural Dimensions	Conservation and Rural Development
70	El Janati et al., 2021	[91]	Morocco	Oases of Drâa-Tafilalet (Gheris and Maïder basins)	Saharan and pre-Saharan oases	<i>Phoenix dactylifera, Triticum spp. (Wheat), Medicago sativa (Alfalfa)</i>	Agronomy and Production Systems	Agronomy
71	L. Kalukuta Mahina, E. Gagou, K. Chakroune et al., 2025	[93]	Morocco	Figuig Oasis	Unique agro-ecosystem (intensively managed desert area)	<i>Phoenix dactylifera L.</i>	Sustainability, Waste Management, Agriculture	Date palm waste valorization and composting
72	Latifa El Mansouri et al., 2011	[94]	Morocco	Rissani oasis, Tafilalet	Traditional oasis (date palm and underlying cultures)	<i>Centaureum spicatum, Rosmarinus officinalis, Vicia faba, Allium cepa, Olea europaea, etc.</i>	Socio-economic and Cultural Dimensions	Ethnobotany
73	Hasnaâ HARRAK, 2009	[95]	Morocco	Moroccan Oases (Drâa Valley / Tata regions)	Traditional Moroccan oasis	<i>Phoenix dactylifera L.</i>	Food Technology, Agro-industry, and Ethnobotany	Valorization of local oasis know-how and date processing
74	Zineb El Bakouri et al., 2025	[97]	Morocco	Tafilalet region	Traditional palm groves	<i>Phoenix dactylifera L.</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity

75	Nizar Moujahed et al., 2025	[98]	Tunisia	Tozeur / Jerid Region	Traditional oasian cropping residues	<i>Phoenix dactylifera</i> L.	Agronomy and Production Systems	Agronomy
76	Moghazy and Kaluarachchi, 2020	[99]	Egypt	Siwa region (Western Desert)	Western Desert Oasis	<i>Phoenix dactylifera</i> (Date palm), <i>Olea europaea</i> (Olives), <i>Triticum aestivum</i> (Wheat), <i>Zea mays</i> (Maize)	Agricultural Economics, Water Management, Sustainability	Sustainable agriculture and groundwater management in Siwa Oasis
77	Julien Brachet, 2005	[100]	Niger	Kawar, Dirkou	Saharan oasis	<i>Not specifically detailed</i>	Socio-economic and Cultural Dimensions	Geography
78	Muriel Gros-Balthazard et al., 2020	[101]	Egypt	Siwa Oasis	Desert oasis (date palm agrobiodiversity)	<i>Phoenix dactylifera</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
79	Yassine El May et al., 2012	[102]	Tunisia	Southern Tunisia	Not in source	<i>Date palm (Phoenix dactylifera)</i> , <i>Deglet Nour variety</i>	Agrobiodiversity and Genetic Resources	Ecology
80	Ibrahimi, M. et al., 2024	[103]	Morocco	Tinghir, Errachidia, Tata, Goulmima, Zagora	Moroccan palm groves	<i>Phoenix dactylifera</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
81	Mohammed Faci, 2019	[104]	Algeria	Ouargla region	Bour (non-irrigated and irrigated) and Traditional (polyvarietal) systems	<i>Phoenix dactylifera</i> L.	Agronomy and Production Systems	Agronomy / Biodiversity
82	Karim Kadri et al., 2024	[105]	Tunisia	Degache Oases (Djerid region)	Not in source	<i>Phoenix dactylifera</i> L.	Agronomy and Production Systems	Agronomy / Genetics
83	Emna Ghouili et al., 2024	[106]	Tunisia	Oases of Chenini, Gabes	Coastal oasis ecosystem	<i>Hordeum vulgare</i> L. (Barley cv. Sahli), <i>Phoenix dactylifera</i> L.	Agronomy and Production Systems	Agronomy
84	Hedia Bourguiba, 2010	[107]	Tunisia	Messaad, Dadès Valley, Drâa Valley, Moulouya Valley, Ziz Valley, Gafsa, Midess, Tameghza, Degache, Nefta, Tozeur	Oasis agroecosystems (graft and seed propagated trees)	<i>Prunus armeniaca</i> L.	Agrobiodiversity and Genetic Resources	Genetic diversity of apricot populations in Tunisia
85	Ahmed Benmihoub, Samia Akli, Nafissa Benabid, 2021	[110]	Algeria	M'Zab Valley (N'tissa perimeter, Béni-Isguen)	Hybrid agrosystem using CI and CT groundwater	<i>Phoenix dactylifera</i> , <i>Olea europaea</i> , <i>Bovine</i> , <i>Caprine/Ovine</i>	Agrobiodiversity and Genetic Resources	Ecologie
86	Latifa Dhaouadi et al., 2021	[112]	Tunisia	Southern Tunisia oases (Chotts Basin, Nefzaoua region)	Continental oases and arid agrosystems relying on SASS (CT and CI) aquifers	<i>Phoenix dactylifera</i> (Deglet Nour variety)	Ecohydrology and Natural Resource Management	Hydrology / Environmental Management
87	Elisa Baioni, Giulia Fiantanese, Giovanni Michele Porta, 2025	[114]	Algeria	M'Chouneche, Baniane, and Ghoufi oases (Abiod Valley)	Traditional wadi oases in an arid climatic region	<i>Not specifically detailed</i>	Ecohydrology and Natural Resource Management	Climatology and Hydrology
88	Chaouch Khouane, A., Akkak, A., Benbouza, H., 2020	[115]	Algeria	Oases of the Biskra region (e.g., M'lili, El Hadjeb)	Saharan oases	<i>Phoenix dactylifera</i> (Ghars cultivar)	Plant Genetics, Molecular Biology, and Biotechnology	olecular identification and genetic diversity of date palm pollinators (male plants or "Dokkar"
89	A. Bouzid, M. F. Hamamouche and N. Faysse, 2024	[116]	Algeria	Oasis de Ghardaïa (Vallée du M'zab)	Oasis region (rural Saharan oases)	<i>Date palm</i> , <i>Saffron</i> .	Socioeconomics, Gender Studies, and Territorial Development	dynamiques sociales

90	H. Benmoussa et al., 2022	[118]	Tunisia	Kebili region (Oum Soma, Fatnassa, Ghidma, etc.)	Traditional multi-layered agricultural oasis and modern oases (CI and CT aquifers)	<i>Phoenix dactylifera</i> L.	Agronomy and Production Systems	Agronomy and Agrobiodiversity
91	L. Merrouchi, et al., 2021	[120]	Algeria	Oued-Righ valley	Traditional, Private State, and New farms sectors	<i>Sheep, Goats</i>	Agronomy and Production Systems	Animal Production
92	A. Aboul-Naga et al., 2014	Section 3	Egypt	Siwa desert oasis	Desert oasis with groundwater and springs	<i>Local goats (Capra hircus), Sheep (Ovis aries)</i>	Agronomy and Production Systems	Animal Production
93	A. Djemel et al., 2011	Section 3	Algeria	Saharan oasis / Alger	Traditional Saharan oasis agriculture and arid landrace systems	<i>Zea mays</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
94	A. E. Edris et al., 2003	Section 3	Egypt	Siwa Oasis	Isolated traditional agricultural oasis	<i>Mentha spicata</i> L. ('Siwa mint').	Agronomy and Production Systems	Agronomy
95	A. E. Hussain, F. M. H. Eid, E. M. El-Saadny, 2016	Section 3	Egypt	Siwa Oasis (Ireghin and Hakuk)	Oasis saharienne (Désert occidental)	<i>Date palm (Phoenix dactylifera)</i>	Plant Protection, Entomology, and Biological Control	Plant Pathology
96	A. Hadidi, 2018	Section 3	Algeria	Oasis de Moghrar (incluant Moghrar Foukani et Moghrar Tahtani)	Oasis traditionnelle pré-saharienne (avec Ksours et palmeraies)	<i>Phoenix dactylifera</i> (variety Feggous and Aghrass).	Ecohydrology and Natural Resource Management	Hydrology
97	A. Hasnaoui et al., 2013	Section 3	Morocco	Oasis du Tafilalet / Figuig	Traditional oases	<i>Date Palm (Phoenix dactylifera)</i> .	Food Sciences and Biotechnology	Food Science/Valorisation de la production et des sous-produits
98	A. Namsi et al., 2007	Section 3	Tunisia	Nefta, Tozeur, Hamma, Kebili, Tamerza	Traditional oases (alkaline sandy-silt soils)	<i>Phoenix dactylifera</i> L. (cv. Deglet Nour, Kenta, Alig)	Crop Protection and Biotic Health	Plant Pathology
99	Abdel Nasser G. El-Gendy et al., 2024	Section 3	Egypt	Bahariya Oasis, EL Minia, Elsharkia, Aswan	New reclamation soil agro-ecological region	<i>Foeniculum vulgare</i> L.	Agronomy and Production Systems	Agronomy / Phytochemistry
100	Abdelkader Hadidi, 2016	Section 3	Algeria	Tiout and Moghrar	Southwest Algeria / Ksour Mountains oases	<i>Date palm, Betoum (Pistacia atlantica)</i> .	Ecohydrology and Natural Resource Management	Hydrology
101	Abdelkrim Amer et al., 2015	Section 3	Libya	Ogla oasis (Cyrenaica)	Desert environment agriculture (vegetable production)	<i>Solanum lycopersicum</i> L. (Red Boll / PETO 111)	Agronomy and Production Systems	Agronomy
102	Abderrahmane Rahmouni et al., 2019	Section 3	Morocco	Errachidia region	Date palm oases affected by Bayoud disease	<i>Origanum compactum, Myrtus communis, Thymus satureioides, Lavandula dentata, Rosmarinus officinalis, Phoenix dactylifera</i>	Crop Protection and Biotic Health	Plant Pathology
103	Abderrahmen Boubekeur & Mohammed Souddi, 2026	Section 3	Algeria	Ain-Elfath (Adrar region)	Family oasis farms	<i>Chicken (Gallus gallus domesticus)</i> .	Agronomy and Production Systems	Animal Production
104	Abdoussadeq Ouamnina et al., 2024	Section 3	Morocco	Figuig	Traditional Mountain Oasis	<i>Phoenix dactylifera</i> L.	Food Sciences and Biotechnology	Food Science / Phytochemistry

105	Ahlam Ahmed Hassan, 2018	Section 3	Egypt	Farafra Oasis	Old cultivation and newly reclaimed areas	<i>Triticum aestivum</i> L. (Wheat: Mesr 1, Sods 13, Gemiza 9)	Agronomy and Production Systems	Agronomy
106	Ahmed Shalby et al., 2023	Section 3	Egypt	Siwa Oasis, Moghra, Qattara Depression	Groundwater-dependent / rural development	<i>Olive, Canola, Jojoba, Quinoa, Jatropha, Barley</i>	Agronomy and Production Systems	Agronomy / Hydrology
107	Alary et al., 2018	Section 3	Morocco	Drâa Valley	Traditional Riverine Oasis	<i>Small ruminants, Cattle</i>	Agro-economics / Livestock Systems	Resilience and Production Efficiency
108	Ali Haimoud, S., 2016	Section 3	Algeria	El-Oued region	Saharan Oases	<i>Phoenix dactylifera</i>	Food Sciences and Biotechnology	Food Science
109	Ali M. Ali et al., 2023	Section 3	Egypt	Kharga Oasis, Western Desert	Traditional Continental / Depression Oasis	<i>Orphan crops</i>	Agronomy and Production Systems	Soil Science
110	Ali Mihi, 2021	Section 3	Algeria	Ziban region (Tolga, Sidi-Okba, Doucen, Ouled Djellal, Sidi Khaled)	Dryland oases desert, groundwater-based agriculture (CI aquifer)	<i>Phoenix dactylifera</i> L. (Date palm)	Agronomy and Production Systems	Agronomy
111	Ali Mihi, Juan Antonio Hernández-Agüero, 2025	Section 3	Algeria	Biskra and El Oued	Traditional, continental intercalar, and complex terminal systems	<i>Wheat, maize, cassava, millet, beans, sweet potato</i>	Agronomy and Production Systems	Agronomy / Remote Sensing
112	Ali Mihi, Tarai Nacer, Haroun Chenchouni, 2019	Section 3	Algeria	Ziban region	Desert oases	<i>Phoenix dactylifera</i>	GIS	Remote Sensing
113	Almutaz Abdelkarim Abdelfattah Mohammed et al., 2024	Section 3	Sudan	Northern Sudan (Dongola/River Nile zones)	Irrigated Hot Arid Agro-ecosystem (Oasis Effect)	<i>wheat</i>	Agrobiodiversity and Genetic Resources	Agronomy
114	Alotaibi MM, et al., 2024	Section 3	Egypt	Menoufia (Date Production System)	Riverine / Agricultural Extension (Medjool system)	<i>Hordeum vulgare</i> (Barley)	Food Sciences and Biotechnology	Food Science / Valorization of Oasis Products
115	Amel Dhaoui, Mohamed Chniter, Mouflida Atigui, et al., 2021	Section 3	Tunisia	Chenchou El-Hamma (Gabès)	Intensive oases system	<i>D'man sheep breed, Medicago sativa</i> (Lucerne)	Agronomy and Production Systems	Animal Production
116	Amina Hasnaoui et al., 2010	Section 3	Morocco	Figuig oasis	Traditional date palm cultivation	<i>Phoenix dactylifera</i> L., <i>Aspergillus niger</i>	Food Sciences and Biotechnology	Food Science
117	Amira Benaoua, Mokhtar Elbakkey, Ali Ferchichi, 2014	Section 3	Tunisia	Nefzaoua	Traditional, Public Modern, and Private Modern oases	<i>Phoenix dactylifera</i> (Alig, Bissr helou, Horra, Kinta), <i>Ficus carica</i> , <i>Punica granatum</i> , <i>Olea europaea</i> , <i>Beta vulgaris</i> L., <i>Capsicum annum</i> , <i>Solanum melongena</i> , <i>Allium cepa</i>	Agronomy and Production Systems	Agronomy / Biodiversity
118	Amor Gaddour, et al., 2010	Section 3	Tunisia	Chenchou (near Gabes); Southern Tunisia	Littoral and intensive oasian/agropastoral systems	<i>Local goats, Alpine, Murciana, Damascus breeds</i>	Agronomy and Production Systems	Animal Production
119	Amor Gaddour, Sghaier Najari, 2009	Section 3	Tunisia	Chenchou (near Gabes); Southern Tunisia	Traditional / Arid Oasis	<i>Goat breeds</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
120	Amr Sadik, Ali Abd El-Aziz, Ahmed El-Kerdany, 2018	Section 3	Egypt	El-Baharia Oasis, Giza Governorate	Private farm (sandy soil system)	<i>Phoenix dactylifera</i> L.	Agronomy and Production Systems	Agronomy
121	Asencio Juncal, J.; López-Osorio, J. M.; Rosa Jiménez, C. J., 2022	Section 3	Morocco	Aït Mrau, Mgoun Valley (High Atlas)	Mountain oasis dependent on riverbeds and traditional gravity irrigation	<i>Not specifically detailed</i>	Architecture / Ethno-construction	Traditional Know-how

122	Asma Chaouch Khouane, Aziz Akkak, Halima Benbouza, 2021	Section 3	Algeria	Ziban region (El Hadjeb and M'lili)	Continental / Saharan Oasis	<i>Phoenix dactylifera</i> (<i>Ghars cultivar</i>)	Genetics / Agrobiodiversity	Genetic Heritage
123	Asma Chebaane et al., 2020	Section 3	Tunisia	Tozeur region (Palmeraie de Tozeur, El Hamma, etc.)	Tunisian Sahara oases / agroforest systems	<i>Phoenix dactylifera</i> , <i>Acaulospora drummondii</i> , <i>Diversispora disticha</i> , <i>Funneliformis coronatus</i> , <i>Rhizophagus irregularis</i>	Agrobiodiversity and Genetic Resources	Ecology
124	Attia et al., 2022	Section 3	Egypt	Farafra Oasis (Sheikh el-Obeiyid, Bir el-Obeiyid playa, Hidden Valley)	Archaeological settlement system / Northern Plateau and wadi escarpment	<i>Aristida sp.</i> , <i>Bracharia sp.</i> , <i>Digitaria sanguinalis</i> , <i>Schouwia purpurea</i> , <i>Citrullus colocynthis</i>	Socio-economic and Cultural Dimensions	Archaeobotany
125	Azzeddine Haddad et al., 2025	Section 3	Algeria	Hassi Khalifa, Magrane, and Guemar (El Oued region)	Saharan region / Arid region oases	<i>Solanum lycopersicum</i> L. (<i>Sahara and Dawson varieties</i>)	Agronomy and Production Systems	Agronomy
126	Bacem Mnasri, 2006	Section 3	Tunisia	Douz, Hammet-Gabes, Kebilly, Nafta, Rjim-Maatoug, Tozeur	South of Tunisia oases / Saline soils	<i>Phaseolus vulgaris</i> (<i>Common bean</i>), <i>Sinorhizobium meliloti</i> , <i>Rhizobium etli</i> .	Agrobiodiversity and Genetic Resources	Genetic Diversity
127	Bachir Khezzani, et al., 2023	Section 3	Algeria	Souf Oasis (El Oued province)	Ghout system (crater palm groves)	<i>Date Palm</i> (<i>Phoenix dactylifera</i>).	Agronomy and Production Systems	Agronomy
128	Barbara Theilen-Willige et al., 2015	Section 3	Morocco	Guelmim Area	Oasis landscapes / flash flood-prone depressions	<i>Not specifically detailed</i>	Ecohydrology and Natural Resource Management	Hydrology
129	Ben Khalfallah et al., 2021	Section 3	Tunisia	Tozeur oases (Djerid region)	Traditional and modern continental oases	<i>General oasis vegetation / Phoenix dactylifera</i>	GIS	Remote Sensing
130	BIARA Ratiba Wided, HAMOUINE Abdelmadjid, NABOU Mohamed, 2012	Section 3	Algeria	Gourara, Touat, and Tidikelt	Traditional systems (foggara/ksar)	<i>Not specifically detailed</i>	Socio-economic and Cultural Dimensions	Sustainable Development
131	Brahim Askri et al., 2014	Section 3	Tunisia	Fatnassa oasis, Kebili region	Ancient oasis with shallow saline groundwater	<i>Phoenix dactylifera</i>	Ecohydrology and Natural Resource Management	Hydrology
132	Bronwen Powell and Abderrahim Ouarghidi, 2025	Section 3	Morocco	Draa and Ziz valleys	Date palm oases / multi-story agroecological systems	<i>Collard greens</i> (<i>Brassica oleracea</i> implied)	Socio-economic and Cultural Dimensions	Ethnobotany
133	Caroline King, David S.G. Thomas, 2014	Section 3	Tunisia, Egypt	Nefzaoua region, Wadi El Natrun, Siwa	Traditional oases, large scale irrigation, and deep aquifer systems (CI, CT, Nubian Sandstone)	<i>Phoenix dactylifera</i> L.	Agrobiodiversity and Genetic Resources	Ecology
134	Carpentier, L., 2017	Section 3	Tunisia	Oasis de Tozeur et de Gabès (Sud de la Tunisie)	Oasis anciennes (continentale pour Tozeur et littorale pour Gabès)	<i>Deglet Nour date palm</i> , <i>pomegranate</i> (<i>Chenini Gabès</i>).	Rural Geography, Socioeconomics, and Territorial Development	Mutations territoriales, stratégies d'adaptation locales et durabilité des systèmes oasiens face aux crises de la mondialisation

135	Dhaouadi et al., 2017	Section 3	Tunisia	Deguache oasis	Continental Saharan oasis	<i>Phoenix dactylifera</i>	Water Management, Irrigation Engineering, Agronomy	Evaluation of localized micro-irrigation techniques for date palms
136	Dhaoui, A. et al., 2018	Section 3	Tunisia	Southern Tunisian Oases	Oasis agro-ecosystem (with integrated livestock)	<i>Sheep</i>	Animal Health and Production, Livestock Management	Agronomy / Animal Production
137	E. Petretto, 2024	Section 3	Morocco, Egypt, Algeria, Tunisia, Sudan	Multiple regions across North Africa		<i>Murciano Granadina goats (Capra hircus)</i>	Animal Genetics, Livestock Biodiversity	Genetic diversity, admixture, and African introgression in goat breeds
138	E.A. Zaghloul et al., 2013	Section 3	Egypt	Dakhla Oasis (Deir El-Hagar playa)	Semiplaya fed by surface and groundwater	<i>Hordeum vulgare (implied); calcified roots (Dikaka)</i>	Ecohydrology and Natural Resource Management	Hydrology
139	Eddahby et al., 2019	Section 3	Morocco	Tafilalet	Desert region oasis	<i>Phoenix dactylifera</i>	Agronomy and Production Systems	Agronomy
140	El Hadrami, A. et al., 2005	Section 3	Morocco	Moroccan Oases	Desert region oasis	<i>Phoenix dactylifera</i> L.; <i>Fusarium oxysporum</i> f. sp. <i>albedinis</i> (Foa)	Agronomy and Production Systems	Agronomy / Plant Pathology
141	El Khoumsi, W., 2017	Section 3	Morocco	Tafilalet palm grove	Arid environment oasis	<i>Phoenix dactylifera</i>	Ecohydrology and Natural Resource Management	Hydrology
142	Ethar A. Hussein et al., 2025	Section 3	Egypt	Western Desert oases	Reclaimed desert land oases vs. old cultivated lands (Nile Delta and Valley)	<i>Triticum aestivum</i> , <i>Hordeum vulgare</i> , <i>Zea mays</i> , <i>Oryza sativa</i> , weeds (<i>Cymodon dactylon</i> , <i>Sonchus oleraceus</i> ...)	Agrobiodiversity and Genetic Resources	Ecology
143	F. Amichi et al., 2018	Section 3	Algeria	Biskra (El Ghrouss, El Merhoum, Lozen, Ain Skhouana)	Pioneer fringe / greenhouse horticulture and monocropped date palm	<i>Phoenix dactylifera</i> L.	Socio-economic and Cultural Dimensions	Rural Development
144	Fabian Welc, Krystyna Milecka and Leszek Marks, 2023	Section 3	Egypt	Faiyum Oasis	Neolithic lake deposits / Rain-fed farming system	<i>Hordeum</i> type, <i>Secale cereale</i> L. (Rye), <i>Poaceae</i> , <i>Pediastrum</i>	Socio-economic and Cultural Dimensions	Archaeology
145	Fathia Madi, et al., 2025	Section 3	Tunisia	Chnenni and Chenchou Oasis (Gabes)	Traditional palm groves	<i>Phoenix dactylifera</i> L., <i>Hordeum vulgare</i>	Agronomy and Production Systems	Agronomy / Soil Science
146	Gaddour A, et al., 2011	Section 3	Tunisia	Coastal oases of Southern Tunisia	Coastal oasis	<i>Goat breeds</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
147	Gary Paul Nabhan, 2007	Section 3	Egypt	Siwa	Saharan desert oasis (traditional multi-canopied waffle gardens)	<i>Phoenix dactylifera</i> , <i>Olea europaea</i> , <i>Musa paradisiaca</i> , <i>Vitis vinifera</i> , <i>Citrus</i> , <i>Ficus carica</i> , <i>Punica granatum</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
148	Ghazouani, W., 2009	Section 3	Tunisia	Fatnassa Oasis (Nefzawa region)	Continental oasis (Traditional and modern extensions)	<i>Date palm (Deglet Nour)</i> , <i>Alfalfa</i> , <i>Barley</i> .	Ecohydrology and Natural Resource Management	Hydrology
149	H. Ben Abdallah et al., 2020	Section 3	Tunisia	Dhamrana, Attilet, Dbabcha, etc. / Nefzaoua	Southwestern continental oases	<i>Phoenix dactylifera</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
150	H. Hamza, et al., 2011	Section 3	Tunisia	Southern Tunisia (Continental oases)	Continental oases	<i>Phoenix dactylifera</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity

151	Habi Mohammed et al., 2016	Section 3	Algeria	Monts du Ksour (Ain Sefra)	Traditional agro-pastoral / Ksour oasis system	<i>Phoenix dactylifera</i> , <i>Ficus carica</i> , <i>Haloxylon scoparium</i> (natural vegetation), <i>Stipa tenacissima</i> .	Agrobiodiversity and Genetic Resources	Ecology
152	Hadji Toka et al., 2024	Section 3	Algeria	Algerian Sahara (Touggourt, Touat, Oued Righ)	Saharan oases with extreme environmental constraints	<i>Triticum aestivum</i> , <i>Triticum durum</i>	Agronomy, Plant Physiology, Biochemistry, Agrobiodiversity	Evaluation of salt tolerance mechanisms in Algerian oasis wheat landraces
153	Hafidha Boucherit, 2024	Section 3	Algeria	Moghrar, Tiout (Naama region)	Traditional mountain oasis agro-system (three strata)	<i>Phoenix dactylifera</i> L.	Agronomy and Production Systems	Agronomy
154	Hamida bencheikh, Ameer Rchid, 2012	Section 3	Algeria	Ghardaia (M'zab valley, Ben-Isguen)	Traditional urban palm grove (Ksurs/Ksars)	<i>Phoenix dactylifera</i> L. (Palm trees)	Ecohydrology and Natural Resource Management	Climatology
155	Hamza Hammadi, 2008	Section 3	Tunisia	Nefzaoua and Jerid	Continental oases	<i>Phoenix dactylifera</i> L. (Deglet nour, Alig, Kintichi)	Agrobiodiversity and Genetic Resources	Genetic Diversity
156	Hamza Harkat et al., 2022	Section 3	Algeria	Biskra province (Ziban oases)	Arid region oases	<i>Phoenix dactylifera</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
157	Hanen Enneb et al., 2015	Section 3	Tunisia	Chenini oasis (Gabes)	Traditional/Continental oasis	<i>Lawsonia inermis</i> L.	Crop Protection and Biotic Health	Plant Physiology
158	Hasnaâ Harrak et al., 2018	Section 3	Morocco	Tata oases; Drâa valley	Traditional date paste production and Moroccan oases	<i>Phoenix dactylifera</i> L.	Food Sciences and Biotechnology	Food Technology
159	Hedia Bourguiba, 2012	Section 3	Algeria, Morocco, Tunisia	Gafsa, Tozeur, Degache, Nefta, Tamaghza, Midess	Traditional oasis agroecosystems (Saharan and mountain); seed propagated	<i>Prunus armeniaca</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
160	Hedia Bourguiba et al., 2013	Section 3	Algeria, Morocco, Tunisia	ultiple oases (Messaad, Dadès, Drâa, Moulouya, Ziz, Gafsa, Tozeur, Nefta, etc.)	Oases and valleys of the Maghreb	<i>Prunus armeniaca</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
161	Hossam Ismael, 2015	Section 3	Egypt	El-Dakhla Oasis, Western Desert	Desert oasis / hyper-arid continental climate	<i>Date palm</i> , <i>Vegetables</i> , <i>Alfalfa</i> , <i>Rice</i>	Agrobiodiversity and Genetic Resources	Ecology
162	Houcine Jeder, Amira Abdelhamid, Ahmed Salah, 2021	Section 3	Tunisia	Metouia oasis, Gabes	Coastal oasis / 3-stage traditional system	<i>Date palm</i> (<i>Phoenix dactylifera</i> L.), <i>Pomegranate</i> , <i>Alfalfa</i> .	Agrobiodiversity and Genetic Resources	Ecology
163	Ian A. Brookes, 1989	Section 3	Egypt	Dakhla Oasis (Western Desert)	Hyperarid lowland / Traditional water-wheel (saqiya) system	<i>Acacia</i> , <i>palm trees</i> , and <i>fodder alfalfa</i> .	Ecohydrology and Natural Resource Management	Geomorphology
164	Ibrahimi, M. et al., 2023	Section 3	Morocco	Tinghir, Errachidia, Tata, Goulmima, Zagora	Pre-Saharan and Saharan oases	<i>Phoenix dactylifera</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
165	Imam, A. I., 2012	Section 3	Egypt	Siwa Oasis	Western Desert Oasis	<i>Phoenix dactylifera</i> L.	Crop Protection and Biotic Health	Plant Pathology
166	Imane Hamzaoui et al., 2024	Section 3	Morocco	Tinghir, Errachidia	Mountain oasis	<i>Sheep</i> , <i>goats</i>	Agronomy and Production Systems	Agronomy / Sociology
167	J. Marquès et al., 2012	Section 3	Tunisia	Oases of Southern Tunisia (Nefta, Tozeur, El	Saharan and mountain oases	<i>Phoenix dactylifera</i> L. (cv. Deglet Nour); <i>Pseudomonas</i> and <i>Bacillus</i> species.	Crop Protection and Biotic Health	Plant Pathology

				Hamma, Kebili, and Tamerza)				
168	J. Marqués et al., 2008	Section 3	Tunisia	Tozeur and Degache	Date palm orchards in oases	<i>Phoenix dactylifera</i> L. (cv. <i>Deglet Nour</i>); <i>Pseudomonas</i> and <i>Bacillus</i> species.	Crop Protection and Biotic Health	Plant Pathology
169	K. Chatti, et al., 2008	Section 3	Tunisia	Sahel region, Medenine, Degache, Gafsa	Traditional fig cultivars in oasis groves	<i>Ficus carica</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
170	Kaouthar Jeddi et al., 2021	Section 3	Tunisia	Bouchemma, Chenini, Teboulbou, Kattena (Gabès region)	Coastal oases	<i>Lawsonia inermis</i> L. (<i>Henna</i>); <i>Phoenix dactylifera</i>	Agrobiodiversity and Genetic Resources	Plant Ecology
171	Karen Rignall, 2015	Section 3	Morocco	Mgoun valley (el Harte, Imzilne)	Pre-Saharan riparian oasis	<i>Not specifically detailed</i>	Agronomy and Production Systems	Agronomy / Socio-economics
172	Khadeja A. Baayo, 2008	Section 3	Libya	Al-Joufrah Oases (Hun, Wedan, Soknah, and Zilla)	Desert territory based on groundwater	<i>Poaceae</i> , <i>Fabaceae</i> , <i>Date palms</i> , <i>Medicinal plants</i> (26 species), <i>Endemic plants</i> (11 species).	Agrobiodiversity and Genetic Resources	Ecology
173	Khairy H. A. Hassan et al., 2022	Section 3	Egypt	Al-Bahariya Oasis, Giza	Oasis agro-system (sandy soil)	<i>Phoenix dactylifera</i> L.	Agronomy and Production Systems	Agronomy
174	Khalida Bousdira et al., 2014	Section 3	Algeria	Guerrara oasis	Phoenicole (date palm) ecosystem	<i>Date palm</i> (<i>Phoenix dactylifera</i> L.) cultivars: <i>Deglet Nour</i> (DN) and <i>Ghars</i> (GH).	Agrobiodiversity and Genetic Resources	Biomass Energy
175	Kodad et al., 2021	Section 3	Morocco	Agdez (Daraa valley), Skoura (Dades valley), Goulmima (Ziz valley), Er-Rich valley	Oasis agro-system (Agroforestry/Intercropping) and traditional systems	<i>Prunus amygdalus</i>	Agronomy and Production Systems	Agronomy / Pomology
176	L. Krichen et al., 2009	Section 3	Tunisia	Gafsa, Tameghza, Midess, Tozeur, Nefta, Degache	Traditional oasis with varied climatic areas (Saharan to arid); seed-propagated 'Bargougs'	<i>Prunus armeniaca</i> .	Agrobiodiversity and Genetic Resources	Genetic Resources
177	L. Krichen, J.M. Audergon, N. Trifi-Farah, 2014	Section 3	Tunisia	Oases of Gafsa, Tameghza and MidessTozeur, Nefta, Degache		<i>Prunus armeniaca</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
178	Lambarraa-Lehnhardt, F., 2021	Section 3	Morocco	Tafilalet		<i>Phoenix dactylifera</i> L.	Socio-economic and Cultural Dimensions	Rural Development
179	M. A. Benabderrahim, 2011	Section 3	Tunisia	Gabes, Kebili, Tozeur	Littoral and Continental oases	<i>Medicago sativa</i> L. (<i>Alfalfa</i>)	Agronomy and Production Systems	Agronomy
180	M. Carelli et al., 2009	Section 3	Egypt	Siwa Oasis	Sahara desert oasis	<i>Medicago sativa</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
181	M. Ghrab et al., 2010	Section 3	Tunisia	El Guetar and Sfax regions	Semi-arid and arid agricultural lands	<i>Pistacia vera</i>	Agronomy and Production Systems	Agronomy
182	M. I. Salama et al., 2019	Section 3	Egypt	El-Dakhla Oasis, New Valley governorate	Sandy loam soil, traditional/private orchards	(<i>Phoenix dactylifera</i> L.)	Agrobiodiversity and Genetic Resources	Genetic Diversity
183	M. M. IBRAHIM, 2013	Section 3	Egypt	Siwa Oasis	Western Desert Oasis	<i>Phoenix dactylifera</i> L. (cv. <i>Sewy</i>)	Agronomy and Production Systems	Agronomy

184	M.H. Sedra, N. Zhar, 2010	Section 3	Morocco, Sudan, Mauritania	Morocco, Sudan, Mauritania	Not available	<i>Phoenix dactylifera</i> (Date palm), <i>Fusarium oxysporum</i> f.sp. <i>albedinis</i> .	Crop Protection and Biotic Health	Plant Pathology
185	Maatallah S, et al., 2024	Section 3	Tunisia	Gafsa	mountain oasis	<i>Ficus carica</i> L.	Agronomy and Production Systems	Agronomy
186	Mabrouka Abid, 2016	Section 3	Tunisia	Gabes (Coastal Oases)	South-East Coastal Oases	<i>Medicago sativa</i> L.	Agronomy and Production Systems	Agronomy
187	Maha Ibrahim, Najiba Brhadda, Rabea Ziri, et al., 2023	Section 3	Morocco	Zagora, Errachidia, Goulmima, Tata, Tinghir	Pre-Saharan oases / Traditional regions	<i>Phoenix dactylifera</i> L.	Plant Genetics, Molecular Biology	Genetic diversity and population structure assessment of date palms
188	Mahdhi et al., 2021	Section 3	Tunisia	South-Eastern Tunisia Oases (e.g., Zeuss-koutine region)	Arid land oases	<i>Fruit trees</i> (58%), <i>vegetables</i> (20%), and <i>forage crops</i> (21%).	Ecohydrology and Natural Resource Management	Hydrology
189	Mahmoud Maamar et al., 2025	Section 3	Morocco	Ferkla oasis (Bour Lkhourbat, Toughache, Amatus)	Oasis extensions / Entrepreneurial agriculture with individual pumping	<i>Not specifically detailed</i>	Socio-economic and Cultural Dimensions	Rural Sociology
190	Maria J. Mosqueira et al., 2019	Section 3	Tunisia	Seven oases (Gabes, Ksar Ghilane, Douz, Rejim Maatoug, etc.)	Heterogeneous desert oasis (Sea coast, mountains, dunes, and saline soil)	<i>Phoenix dactylifera</i> L.	Agrobiodiversity and Genetic Resources	Ecology
191	Messaoud B. Bensaci, et al., 2023	Section 3	Algeria	Southeast Algeria (Ouargla, Biskra, Ghardaia, etc.)	Traditional oases	<i>Phoenix dactylifera</i> L.; <i>Mauginiella scaetiae</i>	Crop Protection and Biotic Health	Plant Pathology
192	Milvia Luisa Racchi, Alessandro Camussi, 2018	Section 3	Libya	Al Jufrah Oasis (Waddan, Hun, Sokna, Zellah, Al Fugha)	Modern plantations, Integrated farms, and Traditional plantations	<i>Phoenix dactylifera</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
193	Mireille Fargette, 2017	Section 3	Tunisia	Nefta (Djerid)	Original oasis and expansion palm groves	<i>Not specifically detailed</i>	Agronomy and Production Systems	Agronomy
194	Miyassa M Aci, 2013	Section 3	Algeria	Saoura, Gourara, Timimoune, Adrar, Bechar, Saida, El Oued, Ghardaia, Tamanrasset	Traditional Saharan farming systems	<i>Zea mays</i> L	Agrobiodiversity and Genetic Resources	Genetic Diversity
195	Miyassa Meriem Aci et al., 2018	Section 3	Algeria	Saoura, Gourara, Timimoune, Adrar, Bechar, Saida, El Oued, Ghardaia, Tamanrasset	Traditional Saharan farming systems	<i>Zea mays</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
196	Mohamed Akram Eddine Ben Ratmia et al., 2025	Section 3	Algeria	Tolga region (Biskra province)	Oasis system based on date palm cultivation (Deglet Nour)	<i>Phoenix dactylifera</i> L.	Socio-economic and Cultural Dimensions	Geography
197	Mohamed Ali Benabderrahim, 2015	Section 3	Tunisia	Oases of Gabès, Tozeur, and Kébili (e.g., Chenini, Zerkine, Essdada, Bouhlel, Limaguess, Douz)	Irrigated oasis	<i>Medicago sativa</i> L.	Agrobiodiversity and Genetic Resources	Evaluation and comparison of local and exotic alfalfa ecotypes

198	Mohamed Ali Benabderrahim, 2008	Section 3	Tunisia	Gabes, Kebili and Tozeur	Irrigated oasis	<i>Medicago sativa</i> L.	Agronomy, Plant Genetics, Agrobiodiversity	Diversity of local alfalfa populations
199	Mohamed Azzedine Idder et al., 2015	Section 3	Algeria	N'goussa, Ksar, ITAS, ITDAS, Ain Beida / Ouargla	Old oasis and recent plantations (Sahara Desert)	<i>Phoenix dactylifera</i> L., <i>Ectomyelois ceratoniae</i>	Crop Protection and Biotic Health	Plant Pathology
200	Mohamed Bammou et al., 2024	Section 3	Morocco	Tafilalet oasis (Errachidia, Rissani, and Erfoud)	Traditional oasis ecosystem	<i>Nigella sativa</i> , <i>Rosmarinus officinalis</i> , <i>Satureja vulgaris</i> , <i>Ammi visnaga</i> .	Socio-economic and Cultural Dimensions	Ethnobotany
201	Mohamed EL-Sayed Gabr, 2021	Section 3	Egypt	Western Desert, Nile Delta, Nile Valley	Reclaimed areas in western desert, flood irrigation	<i>wheat</i> , <i>dry beans</i> , <i>potatoes</i> , <i>sugar beet</i> , <i>berseem clover</i> , <i>maize</i> , <i>tomato</i> , <i>cotton</i> , <i>sugar cane</i> , and <i>rice</i>	Ecohydrology and Natural Resource Management	Hydrology
202	Mohamed Elhadi Matallah et al., 2022	Section 3	Algeria	Tolga region, Biskra	Traditional rural palm grove settlement	<i>Phoenix dactylifera</i> L.	Agrobiodiversity and Genetic Resources	Ecology
203	Mohamed Ghrab et al., 2012	Section 3	Tunisia	El-Guetar and Sfax	Oasian ecosystem and traditional production areas in arid lands	<i>Pistacia vera</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
204	Mohamed Hadeid et al., 2018	Section 3	Algeria	Adrar region (Aougrouit, Tittaf, Tiloulina)	Traditional foggara irrigation vs. modern development	<i>Not specifically detailed</i>	Agronomy and Production Systems	Agronomy
205	Mohamed Loumerem et al., 2007	Section 3	Tunisia	Southern Tunisia (Gabes, Kebili, and Tozeur)	Coastal and Continental oases landraces	<i>Medicago sativa</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
206	Mohamed M. Farissi et al., 2014	Section 3	Morocco	Tafilalet, Tata (Oases)	South-eastern and south-western oases	<i>Medicago sativa</i> L.	Agronomy and Production Systems	Agronomy
207	Mohamed M. Metwaly et al., 2023	Section 3	Egypt	El-Kharga and El-Farafra oases	Isolated oases based on the Nubian Sandstone Aquifer System	<i>Phoenix dactylifera</i> L. (<i>Date palm</i>), <i>Olea europaea</i> L. (<i>Olive</i>)	Ecohydrology and Natural Resource Management	Hydrology
208	Mohammed Najib Saidi et al., 2013	Section 3	Tunisia	Degache	Date orchards and traditional desert oases	<i>Phoenix dactylifera</i> L.	Crop Protection and Biotic Health	Plant Pathology
209	Mohammed Najib Saidi et al., 2013	Section 3	Tunisia	South Tunisia (Three unspecified affected oases); Degache	Date orchards and traditional desert oases	<i>Phoenix dactylifera</i> L.	Crop Protection and Biotic Health	Plant Pathology
210	Mokhtar Elbekkay, Hammadi Hamza, Cécile Desbiez, Naceur Djebali, 2024	Section 3	Tunisia	South and North regions	Oases environment	<i>Cucumis melo</i> (<i>Melon</i>), <i>Citrullus lanatus</i> (<i>Watermelon</i>), <i>Cucurbita moschata</i> (<i>Squash</i>), <i>Citrullus colocynthis</i> (<i>Wild bitter watermelon</i>).	Agronomy and Production Systems	Agronomy
211	Mouna Bendaly Labaied et al., 2020	Section 3	Tunisia	Kebeli (Souk Lahad, Blidet, Nouail, El Gattaya)	Continental Saharan oases (traditional and modern)	<i>Date palm</i> (<i>Phoenix dactylifera</i>), <i>Deglet Nour cultivar</i>	Agronomy and Production Systems	Agronomy
212	Mounira Metoui, 2019	Section 3	Tunisia	Gabès and Kébili	Coastal oasis (Gabés) and inland oasis (Kébili)	<i>Phoenix dactylifera</i> L.	Agronomy and Production Systems	Agronomy
213	Mustapha Abddellaoui, 2019	Section 3	Morocco	Drâa-Tafilalet (Gheris, Maïder, Errachidia, Ferkla-Todgha, Tangerfa, Tinjdad)	Traditional oases, modern extensions, monocropped systems, and groundwater irrigation (wells, khattara)	<i>Cuminum cyminum</i> L. (<i>Cumin</i>)	Agronomy and Production Systems	Agronomy

214	Mustapha Abdellaoui et al., 2020	Section 3	Morocco	Drâa-Tafilalet (Gheris, Maïder, Errachidia, Ferkla-Todgha, Tangerfa, Tinjdad)	Traditional oases, modern extensions, monocropped systems, and groundwater irrigation (wells, khettara)	<i>Cuminum cyminum</i> L. (Cumin)	Food Sciences and Biotechnology	Phytochemistry
215	Mustapha El Janati et al., 2025	Section 3	Morocco	Drâa-Tafilalet (Gheris, Maïder, Errachidia, Ferkla-Todgha, Tangerfa, Tinjdad)	Traditional oases, modern extensions, monocropped systems, and groundwater irrigation (wells, khettara)	<i>Phoenix dactylifera</i> L., <i>Zea mays</i> L. (Corn)	Agronomy and Production Systems	Agronomy
216	N. Moujaoui et al., 2022	Section 3	Morocco	Figuig oasis	Traditional and modern plantations	<i>Date Palm</i> (<i>Phoenix dactylifera</i> L.), <i>Parlatoria blanchardi</i> , <i>Oligonychus afrasiaticus</i> .	Crop Protection and Biotic Health	Plant Pathology
217	Nada Ben Mansour, 2024	Section 3	Tunisia	Jemna (Kébili)	Traditional three-level system vs. modern date extensions	<i>Not specifically detailed</i>	Agronomy and Production Systems	Agronomy
218	Nafti M, et al., 2024	Section 3	Tunisia	Tozeur	Continental oasis region	<i>Capra hircus</i> (Local Arbi goat), <i>Ocimum basilicum</i> (Basil for flavoring)	Agronomy and Production Systems	Animal Production
219	Neveen S. Gadallah, 2015	Section 3	Egypt	Bahariya and Farafra	Western Desert Oases / Great Oasis Circle	<i>Medicago sativa</i> L.	Agrobiodiversity and Genetic Resources	Ecology
220	Nogot Abdelaziz et al., 2024	Section 3	Morocco	Tinjdad (Errachidia province)	Arid oasis region / Certified organic farm	<i>Phoenix dactylifera</i> L., <i>Gelidium sesquipedale</i> , <i>Ascophyllum nodosum</i> , <i>Ecklonia maxima</i>	Agronomy, Organic Farming, Plant Nutrition	Enhancing date yield and quality using seaweed organic extracts
221	O. Kodad, 2013	Section 3	Morocco	Southern Moroccan Oases (e.g., Skoura, Kelaat M'Gouna)	Mountain / Pre-Saharan oases	<i>Prunus amygdalus</i> (Almond)	Agrobiodiversity and Genetic Resources	Genetic Diversity
222	Ole R. Vetaas, Elsir A. Salih, Gerald Jurasinski, 2012	Section 3	Sudan	Erkowit (Red Sea Hills)	Mist oasis transitioning to arid shrubland	<i>Euphorbia abyssinica</i> , <i>Dracaena ombet</i> , <i>Maytenus senegalensis</i> , <i>Calotropis procera</i>	Agrobiodiversity and Genetic Resources	Plant Ecology
223	Olfa Dridi Gargouri et al., 2016	Section 3	Tunisia	Rjim Maatoug	Desert oasis / Saharian region	<i>Olea europaea</i> L. (cv. Chemlali, Chetoui, Koroneiki, Rjim).	Agronomy and Production Systems	Agronomy
224	Olfa Saddoud Debbabi et al., 2021	Section 3	Tunisia	Degache (Tozeur)	Continental Saharan oasis dominated by palm groves and fruit trees	<i>Olea europaea</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
225	Olfa Saddoud Deddabi et al., 2020	Section 3	Tunisia	Degache (Tozeur)	Continental Saharan oasis dominated by palm groves and fruit trees	<i>Olea europaea</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
226	Ossama Kodad et al., 2013	Section 3	Morocco	Agdz, Kelaat M'Gouna, Skoura, Gulmima	Mountain / Pre-Saharan oases	<i>Prunus amygdalus</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
227	Ouamnina et al., 2024	Section 3	Morocco	Zagora, Erfoud	Arid and semi-arid climate oases	<i>Phoenix dactylifera</i> L.	Plant Genetics, Molecular Biology	Genetic diversity and population structure of Moroccan date palms
228	P. Annicchiarico et al., 2011	Section 3	Algeria, Tunisia, Morocco,	Oued Tessaout	Traditional oasis management	<i>Lucerne</i> (<i>Medicago sativa</i> L.)	Agrobiodiversity and Genetic Resources	Genetic Diversity

229	P.-Y. Le Gal et al., 2009	Section 3	Morocco and Tunisia	South Tunisian oases (Djerid and Nefzaoua)	Oasis based on perennial date palm plantations using groundwater	<i>Phoenix dactylifera L.</i>	Ecohydrology and Natural Resource Management	Hydrology / Agronomy
230	R. A. Brac de la Perrière et al., 1995	Section 3	Algeria	Béni-Abbès, El Goléa, Ghardaïa, Adrar, Oued Righ	Traditional palm groves	<i>Phoenix dactylifera L., Fusarium oxysporum f. sp. albedinis</i>	Crop Protection and Biotic Health	Phytopathology
231	Raoudha Ferjani et al., 2015	Section 3	Tunisia	Ksar Ghilane, Douz, El Faouar, Rjim Maatoug, Tozeur, Tamerza, Ain el Karma	Traditional crop management, groundwater-based flooding irrigation	<i>Phoenix dactylifera L.</i>	Agrobiodiversity and Genetic Resources	Ecology
232	Rasmi Soltani, Chaieb Ikbel, and Med Habib Ben Hamouda, 2008	Section 3	Tunisia	Rjim Maatoug	Continental Saharan oases	<i>Phoenix dactylifera L.</i>	Crop Protection and Biotic Health	Plant Pathology
233	Rawan K. MLIH et al., 2019	Section 3	Tunisia	Chenini (Gabès) and Guettaya (Kebili)	Coastal (maritime) and continental date palm systems	<i>Phoenix dactylifera L.</i>	Agronomy and Production Systems	Soil Science
234	Reiji Kimura et al., 2020	Section 3	Egypt	Dakhla Oasis (Rashda Village)	Arid region oasis depending on fossil artesian groundwater (Nubian Sandstone Aquifer)	<i>Date palm, Winter wheat, Paddy rice</i>	Agronomy and Production Systems	Agronomy
235	Rekis Abdelkrim, 2023	Section 3	Algeria	Biskra, Bechar, Adrar, Oued Souf, Ghardaia	Algerian date palm oases	<i>Phoenix dactylifera L.</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
236	Remini Boualem, Albergel Jean, Bachir Achour, 2015	Section 3	Algeria	Timimoun oasis	Garden Foggara and Albian (classic) Foggara systems	<i>Not specifically detailed</i>	Ecohydrology and Natural Resource Management	Hydrology
237	Remini BOUALEM, Kechad RABAH, 2012	Section 3	Algeria, Morocco, Tunisia	Touat, Gourara, Tidikelet (Algerian Sahara); Muscat, Al Batimah, Al Dhahira, Ad Dhakhiya, Ascharquia; Tafilalt; Al Ain region; Umm Jdour (Kasserine); Plain of Sana'a	Traditional underground tunnel systems (Foggara, Aflaj, Khettara, Kriga, Qanats, Qanat Romani)	<i>Phoenix dactylifera L.</i>	Ecohydrology and Natural Resource Management	Hydrology
238	Ridha Mhamdi et al., 2015	Section 3	Tunisia	Rjim-Maatoug	Oasis involving common bean cultivation in sandy soil	<i>Phaseolus vulgaris (Common bean), Ensifer meliloti (4H41).</i>	Agrobiodiversity and Genetic Resources	Genetics / Microbiology
239	Rym Trimech, 2013	Section 3	Tunisia	Tozeur	Oasis (specifically Tozeur's oasis)	<i>Cucumis melo L. (Melon)</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
240	Rêve Dagher et al., 2025	Section 3	Tunisia	Kebili Region (Northern district and Faraoun extension)	Traditional oases and extensions (modern palm groves)	<i>Phoenix dactylifera L., Olive, Fig, Pomegranate</i>	Agronomy and Production Systems	Agronomy / Economics
241	S. E. Smith, A. A1-Doss, M. Warburton, 1991	Section 3	Egypt	Siwa Oasis	Isolated oasis ecotypes	<i>Medicago sativa L. (Alfalfa)</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
242	S. Rhouma et al., 2007	Section 3	Tunisia	Degache		<i>Phoenix dactylifera L.</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity

243	Saber Faye Hendawy, et al., 2019	Section 3	Egypt	El-Baharia Oasis (Western Desert)	Sandy soil oasis location	<i>Anthriscus cerefolium</i>	Agronomy and Production Systems	Agronomy / Phytochemistry
244	Sabrina Oumata et al., 2020	Section 3	Algeria	Adrar, Tamanrasset (Hoggar), and Tindouf locations (14 oases)	Saharan oases and mountain oases	<i>Triticum spp.</i>	Agronomy and Production Systems	Agronomy / Genetic Resources
245	Salah Belghemmaz et al., 2018	Section 3	Algeria	The Zibans (Biskra): Sidi Okba, El Haoouche, Tolga, El Outaya	Groundwater irrigation, small-farming perimeters	<i>Not specifically detailed</i>	Agronomy and Production Systems	Agronomy
246	Salah Eddine Benziouche, Foued Chehat, 2018	Section 3	Algeria	Ziban oases (Tolga Oasis, Biskra)	Continental / Saharan Oasis	<i>Phoenix dactylifera L.</i>	Agricultural Water Management, Agronomy	Irrigation inefficiency and water management constraints in date palm farms
247	Samah Ben Chaaban, et al., 2011	Section 3	Tunisia	Segdoud (Tozeur region)	Continental and modern type	<i>Not specifically detailed</i>	Crop Protection and Biotic Health	Plant Pathology
248	Sarra Choulak et al., 2019	Section 3	Tunisia	El-Guetar, Gafsa	Mountain oases	<i>Pistacia vera L.</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
249	Schumacher, J., 2009	Section 3	Sudan	El-Guetar, Gafsa	Mountain oases	<i>Sorghum, Alfalfa, Mango, Citrus, Potato, Onion</i>	Ecology and Natural Resource Management	Hydrology
250	Selmi, S., 2003	Section 3	Tunisia	Southern Tunisian oases	Traditional (diversified) vs. Modern (intensive)	<i>Breeding birds (Turdus merula, Streptopelia turtur)</i>	Agrobiodiversity and Genetic Resources	Ecology
251	Sghaier Najari, Amor Gaddour, 2010	Section 3	Tunisia	(Gabes	Intensive oasian mode vs. Pastoral rangelands	<i>goats</i>	Agronomy and Production Systems	Animal Production
252	Sraïri, M. T., 2025	Section 3	Algeria, Morocco, Tunisia	Ghardaïa (Algeria), Ferkla & Msemrir (Morocco), Kébili & Médenine (Tunisia)	Arid and marginal areas, Mountain oases	<i>Sheep, Goats, Date palm</i>	Socio-economic and Cultural Dimensions	Rural Development
253	Stefanie Christmann et al., 2021	Section 3	Morocco	Errachidia	Small-parceled diverse oasis fields	<i>Wild pollinators (Amegilla, Osmia), natural enemies, okra, zucchini</i>	Agronomy and Production Systems	Agronomy / Ecology
254	Tamer Khatib et al., 2019	Section 3	Mauritania	Tawaz oasis (Adrar region)	Desert environment / Saharan zone	<i>Not specifically detailed</i>	Agronomy and Production Systems	Agronomy / Engineering
255	Tayar et al., 2024	Section 3	Tunisia	Southern Tunisian oases (Kebili, Tozeur, Gabes)	Traditional and modern agricultural oases	<i>Phoenix dactylifera (Date palm), Deglet Nour variety</i>	Agrobiodiversity and Genetic Resources	Ecology
256	Tydecks et al., 2023	Section 3	Algeria, Egypt	Sahara Desert (Biskra, Ziban, M'zab Valley, Tuat)	Traditional oases (Fault oases, Basin oases)	<i>Not specifically detailed</i>	Socio-economic and Cultural Dimensions	Biocultural Diversity
257	Vladimiro Boselli et al., 2020	Section 3	Morocco	Assaragh (Anti-Atlas Mountains)	Traditional oasis agroecosystem (terraced agroforestry systems)	<i>Not specifically detailed</i>	Ecology and Natural Resource Management	Hydrology
258	W. Roslon, J. Radzanowska, 2006	Section 3	Egypt	Oasis (Siwa)		<i>Mint (Mentha spp.)</i>	Food Sciences and Biotechnology	Food Science
259	Wafa Ghazouani et al., 2011	Section 3	Tunisia	Fatnassa oasis (Nefzawa)	Community-managed traditional oasis system (CT and CI aquifers)	<i>Phoenix dactylifera.</i>	Ecology and Natural Resource Management	Hydrology / Irrigation Management

260	Wissem Gallala, et al., 2020	Section 3	Tunisia	Gabes (Chenini Oasis)	Traditional coastal oasis	<i>Phoenix dactylifera</i> L. (<i>Date palm</i>)	Agrobiodiversity and Genetic Resources	Ecology
261	Yehmed et al., 2022	Section 3	Tunisia	Southern Tunisia's oasis	Arid oasis environments / Agro-ecosystem of arid oasis	<i>Vicia faba</i> L. var. <i>minor</i>	Agronomy, Plant Breeding, Animal Nutrition	Agro-morphological and nutritional evaluation of local faba bean populations
262	Yesmine Ben Rouina et al., 2020	Section 3	Tunisia	Kebili-Rjim Maatoug	Desert oasis	<i>Barley</i>	Agronomy and Production Systems	Agronomy / Horticulture
263	Youcef Boutadara, Boualem Remini, Saida Benmamar, 2018	Section 3	Algeria	Bouda Oasis (Adrar)	Albian foggaras (CI aquifer) system	<i>Phoenix dactylifera</i> (<i>Date palm</i>)	Ecohydrology and Natural Resource Management	Hydrology
264	Yuanyuan Liu, Caihong Ma, Liya Ma, 2024	Section 3	Egypt	Northern Region, Nile Delta, Fayoum District	Arid agricultural desert oasis, Nile-irrigated	<i>Not specifically detailed</i>	Socio-economic and Cultural Dimensions	Land Use Change
265	Zahran Khaldi et al., 2021	Section 3	Tunisia	Southwest (Continental oasis region)	Semi-intensive, traditional, and date palm monoculture systems with livestock	<i>Ovis aries</i> (<i>Sheep</i>)	Agronomy and Production Systems	Animal Production
266	Hammadi et al., 2013	Section 3	Tunisia	Nefzaoua and Jerid oasis regions	Continental Saharan oasis	<i>Phoenix dactylifera</i> L.	Agronomy and Production Systems	Agronomy/ Ecology
267	Elbekkay et al., 2009	Section 3	Tunisia	Kebili, South Tunisia	Saharan/continental oasis	<i>Citrullus lanatus</i>	Agrobiodiversity and Genetic Resources	Genetic Diversity
268	Hamza, H. et al., 2012	Section 3	Tunisia	Southern Tunisia, particularly the date-palm oasis region of Medenine	Continental Saharan oasis	<i>Phoenix dactylifera</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
269	Zehdi, S., 2012	Section 3	Tunisia	Tozeur, Gabès, Kébili, and Kerkena Islands	Coastal Mediterranean and Inland Saharan Oases	<i>Phoenix dactylifera</i> L.	Agrobiodiversity and Genetic Resources	Genetic Diversity
270	Zied Haj-Amor et al., 2016	Section 3	Tunisia	Lazala Oasis, Kebili governorate; Douz; Coastal oasis	Modern Saharan oasis and Continental Intercalaire systems	<i>Phoenix dactylifera</i> L.	Ecohydrology and Natural Resource Management	Hydrology / Soil Science

Supplementary Data Source List

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