

Appendix

Supporting Table 1. Presence–absence matrix showing riparian plant species recorded at study sites in the Aurès region, northeastern Algerian Highlands.

ID	BH	CS	CL	CP	FX	JO	JP	NO	PA	RR	RT	RC	RM	RU	TS	ZL	CS	EG	PH	PA	QF	QI	US	AM
ST1	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	1	1	0	0	0	0
ST2	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	1	1	0	0	0	0
ST3	0	1	1	0	0	0	0	1	1	0	0	1	0	1	0	0	1	0	1	1	0	0	0	0
ST4	0	1	1	0	0	0	0	1	1	0	0	1	0	1	0	0	1	0	1	1	0	0	0	0
ST5	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	0	0	1	0	0	0	0
ST6	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
ST7	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0
ST8	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
ST9	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
ST10	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
ST11	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
ST12	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
ST13	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
ST14	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
ST15	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
ST16	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
ST17	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1
ST18	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0
ST19	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1
ST20	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
ST21	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
ST22	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0
ST23	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
ST24	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0
ST25	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	1
ST26	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	1	0	0	0	0	0	0	1

ST27	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	1
ST28	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
ST29	0	0	0	1	1	1	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0
ST30	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0
ST31	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	1
ST32	0	0	0	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1
ST33	0	0	0	1	1	1	1	1	0	0	0	1	0	1	1	1	0	0	1	1	0	0	0	0
ST34	0	0	1	1	0	1	1	1	0	1	0	0	0	0	1	0	0	0	1	0	0	0	1	0
ST35	0	1	0	1	0	1	1	1	1	1	0	0	0	0	1	0	1	0	1	0	0	0	1	1
ST36	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0
ST37	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
ST38	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0
ST39	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1
ST40	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	0	1	1	0	0	0	1
ST41	0	1	0	0	0	0	1	1	1	1	1	0	0	0	1	1	0	0	0	1	0	0	0	0
ST42	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	0
ST43	0	0	0	1	1	1	1	0	0	1	0	0	0	1	1	1	1	0	0	1	0	0	1	1
ST44	0	0	0	1	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	1	0	0	0	0
ST45	0	0	0	0	0	0	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
ST46	0	0	0	0	0	0	1	1	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0
ST47	0	0	0	0	0	0	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
ST48	1	0	1	1	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0
ST49	1	0	1	1	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0
ST50	0	0	1	1	1	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	1	1	1	0
ST51	0	0	0	0	1	1	0	0	0	1	0	1	0	1	0	0	0	0	1	1	1	1	1	0
ST52	0	0	0	0	1	1	0	0	0	1	0	0	0	1	0	1	1	0	1	1	0	0	0	0
ST53	0	0	0	0	1	0	0	1	0	1	0	1	0	0	1	1	1	1	1	1	0	0	1	1
ST54	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0
ST55	0	0	0	1	1	1	0	1	0	0	0	1	0	1	0	0	1	0	1	1	0	1	1	0
ST56	0	0	1	1	1	1	0	1	0	0	0	1	0	1	0	0	1	0	1	1	0	0	1	0

ST57	0	0	0	1	0	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	1	0	0
ST58	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
ST59	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	1	0
ST61	1	1	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
ST62	1	0	0	1	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0

BH – Berberis hispanica, CS – Capparis spinosa, CL – Crataegus laciniata, CP – Cytisus purgans, FX – Fraxinus xanthoxyloides, JO – Juniperus oxycedrus, JP- Juniperus phoenicea, NO - Nerium_oleander, PA – Pistacia atlantica, RR – Retama raetam, RT – Rhus tripartita, RC – Rosa canina, RM – Rosa montana, RU – Rubus ulmifolius, TS – Tamarix sp, ZL – Ziziphus lotus, CS – Cupressus sempervirens, EG – Eucalyptus globulus, PH – Pinus halepensis, PA – Populus alba, QF – Quercus faginea, QI – Quercus ilex, US – Ulmus sp, AM – Arundo mauritanica

Supporting Table 2 Multilevel pattern analysis (Association function: IndVal Significance level (alpha): 0.05)

Groups		Stat	P-value
Group 1			
	<i>Populus alba</i>	0,874	0.001
	<i>Cytisus purgans</i>	0.788	0.001
	<i>Juniperus oxycedrus</i>	0.788	0.001
	<i>Rubus ulmifolius</i>	0.766	0.001
	<i>Pinus halepensis</i>	0.747	0.001
	<i>Rosa canina</i>	0.695	0.001
	<i>Ulmus sp</i>	0.643	0.001
	<i>Fraxinus xanthoxyloides</i>	0.587	0.001
	<i>Quercus ilex</i>	0.525	0.004
	<i>Crataegus laciniata</i>	0.491	0.004
	<i>Capparis spinosa</i>	0.421	0.39
	<i>Berberis hispanica</i>	0.415	0.027
	<i>Quercus faginea</i>	0.371	0.048
Group 2			
	<i>Rhus tripartita</i>	0.371	0.048