

Muscicapa daurica

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**Angouran Protected Area and Wildlife Refuge;
an Important Area for Birds in Zanzan Province, Iran**

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Abstract: The Angouran Protected Area and Wildlife Refuge (c. 125,000 ha) is an important area in Zanzan Province. A total of 100 species of birds were observed in 2001-2003 here. Bird numbers of each species are indicated for different years and areas. Species under the National Environmental Act (18 species), IUCN (*Gallinago media*), CITES Appencdices (10 species), and species mainly restricted to or endangered in the Middle East (eight species) are indicated. A possible new bird species, *Muscicapa daurica*, for the Middle East was observed in this area.

Keywords: Avifauna, birds, Angouran, Wildlife Refuge, Protected Area, Zanzan, Iran.

(Behrouzi-Rad

1990)

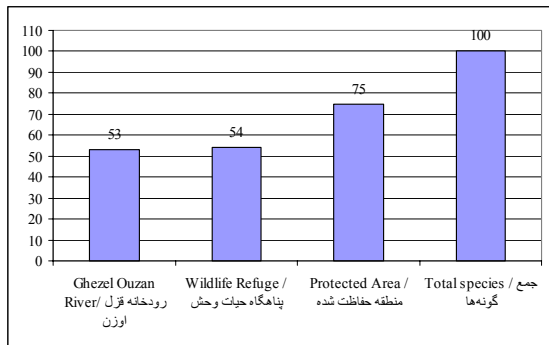


Figure 3. Bird species numbers in different areas in Angouran.



(C. erythrinus)

Figure 4. A female *Carpodacus erythrinus*.



(Luscinia svecica)

Figure 5. A *Luscinia svecica* ringed in Angouran.

ArcView GIS (GPS)
Ozi Explorer
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Figure 2. A view to Belghis Core Zone.

Table 1. Avifauna of Angouran in this survey (and their maximum numbers).

Scientific name	Protected Area	Wildlife Refuge	Ghezel Ouzan River	Total	2003	2002	2001	Other surveys	Persian name
<i>Podiceps nigricollis</i>			1	1			1		
<i>Phalacrocorax carbo</i>				0				**	()
<i>Nycticorax nycticorax</i>	2			2		2			
<i>Ardea cinerea</i>	4		34	38		24	36	**	
<i>Egretta alba</i>			20	20			20	**	()
<i>Egretta garzetta</i>	24			24			24	*,**	()
<i>Bubulcus ibis</i>	6			6			6		
<i>Botaurus stellaris</i>				0				**	()
<i>Ciconia nigra</i>			17	17	2	10	17		
<i>Ciconia ciconia</i>			8	8	1	8	17	*	()
<i>Tadorna tadorna</i>			1	1			1		
<i>Anas crecca</i>				0				*	
<i>Anas platyrhynchos</i>			20	20		20	17		
<i>Milvus migrans</i>				0				*	
<i>Neophron percnopterus</i>	1			1	1			*	
<i>Buteo rufinus</i>	1	2	1	4	2	3	1		
<i>Circus cyaneus</i>	1			1		1			
<i>Aquila chrysaetos</i>	2	5	2	9	2	8	3		
<i>Falco tinnunculus</i>	14	3	2	19	10	14	16	*	()
<i>Falco subbuteo</i>	3			3	3	2	1		()
<i>Perdix perdix</i>				0				**	
<i>Alectoris chukar</i>	289	167	62	518	55	476	412	*	
<i>Coturnix coturnix</i>	1			1	1				
<i>Porphyrio porphyrio</i>				0				*	
<i>Fulica atra</i>				0				**	
<i>Charadrius dubius</i>		2		2	2			**	
<i>Vanellus vanellus</i>			1	1			1		
<i>Tringa stagnatilis</i>				0				*	
<i>Tringa nebularia</i>	5	2		7			7		
<i>Actitis hypoleucos</i>	2	2		4	4		1	*	
<i>Tringa ochropus</i>	1	7	5	13		13			
<i>Calidris minuta</i>			10	10		10			
<i>Gallinago gallinago</i>			4	4		4			()
<i>Gallinago media</i>		1		1			1		
<i>Larus ridibundus</i>	1		1	2			2		
<i>Chlidonias hybridus</i>			1	1	1				()
<i>Pterocles orientalis</i>				0				*,**	()
<i>Columba livia</i>	101	193	3	297	28	216	118	*	
<i>Columba palumbus</i>	1			1	1				()
<i>Streptopelia senegalensis</i>	20	10	2	32	12	2	19		
<i>Cuculus canorus</i>	6	2		8	1	3	5		()
<i>Bubo bubo</i>				0				**	
<i>Athene noctua</i>	3			3	4			*	
<i>Caprimulgus europaeus</i>	1			1	1				()
<i>Tachymartitis melba</i>	12			12	12				()
<i>Apus apus</i>	2			2	2				()
<i>Merops apiaster</i>	21	42	10	73	73				()
<i>Coracias garrulus</i>	2	7	2	11	11				
<i>Alcedo atthis</i>		1	1	2		1	2		()
<i>Upupa epops</i>	8	4	3	15	15	1	1	*	

Scientific name	Protected Area	Wildlife Refuge	Ghezel Ouzan River	Total	2003	2002	2001	Other surveys	Persian name
<i>Dendrocopos syriacus</i>	16	8	8	32	8	32	3	*	
<i>Alauda arvensis</i>	35			35	35				
<i>Galerida cristata</i>	134	51	105	290	248	163	7	*	
<i>Ammomanes deserti</i>	5	18	10	33	25	14			
<i>Eremophila alpestris</i>	266			266	266	60			
<i>Hirundo rupestris</i>	30	18	50	98	22	97	33		
<i>Hirundo rustica</i>		10	24	34	2	34			()
<i>Motacilla flava</i>	76	3		79	2	4	76		
<i>Motacilla alba</i>	2	1	8	11		11			
<i>Lanius isabellinus</i>	2			2			2		
<i>Lanius collurio</i>	1	1	6	8		8			
<i>Lanius minor</i>			1	1	1	1			
<i>Cinclus cinclus</i>	1			1	1				
<i>Prunella ocularis</i>	1			1	1				
<i>Erithacus rubecula</i>	2	2		4	3	2			()
<i>Luscinia svecica</i>	1			1		1			
<i>Luscinia megarhynchos</i>		1		1	1				()
<i>Irania gutturalis</i>	9	13		22	22				
<i>Cercotrichas galactotes</i>			6	6	6				
<i>Phoenicurus ochruros</i>	3	10	6	19	4	16	1		
<i>Phoenicurus phoenicurus</i>	6	2	10	18	11	8	4		()
<i>Saxicola torquatus</i>	6			6	6				()
<i>Oenanthe oenanthe</i>	81	13	21	115	105	27	20		()
<i>Oenanthe finschii</i>	9	3	1	13	13	4	4		
<i>Oenanthe xanthopyrma</i>		6	2	8		8	2		
<i>Oenanthe isabellina</i>	23		3	26	26	6	4	*	
<i>Monticola saxatilis</i>	9			9	9	1			
<i>Monticola solitarius</i>	1	7		8	7	3	1		
<i>Turdus merula</i>	10			10	10	6			
<i>Turdus philomelos</i>	20			20		20			
<i>Scotocerca inquieta</i>		2		2		2			
<i>Acrocephalus scirpaceus</i>	2			2		2			
<i>Acrocephalus arundinaceus</i>	1	4		5		5		*	
<i>Acrocephalus melanopogon</i>				0				*	
<i>Phylloscopus trochilus</i>	3	2		5		5			
<i>Phylloscopus collybita</i>				0				*	
<i>Hippolais caligata</i>	15			15	10				
<i>Hippolais pallida</i>	11	2	7	20	2	20	4		
<i>Sylvia communis</i>				0				*	
<i>Sylvia atricapilla</i>		1	1	2		2			
<i>Muscicapa striata</i>	5		2	7		6	3		
<i>Muscicapa dauurica</i>		1		1			1		***
<i>Remiz pendulinus</i>		5		5			5		
<i>Parus major</i>	17	3	6	26	6	25	9		
<i>Parus ater</i>		3		3	3				()
<i>Sitta tephronata</i>	18	12	7	37	23	30	17	*	
<i>Emberiza citrinella</i>				0				*	
<i>Emberiza cia</i>	70	3		73	13	70	5		()

Scientific name	Protected Area	Wildlife Refuge	Ghezel Ouzan River	Total	2003	2002	2001	Other surveys	Persian name
<i>Emberiza hortulana</i>			60	60		60			()
<i>Emberiza schoeniclus</i>				0				*	()
<i>Emberiza melanocephala</i>	35	7	1	43	43				
<i>Miliaria calandra</i>	6		10	16	6	13			
<i>Fringilla coelebs</i>				0				*	
<i>Fringilla montifringilla</i>				0				*	
<i>Carpodacus carduelis</i>	120	32	20	172	98	120		*	
<i>Carpodacus spinus</i>				0				*	
<i>Carpodacus erythrinus</i>	2			2		2			()
<i>Rhodopechys sanguinea</i>	115	2		117	117		27		
<i>Passer domesticus</i>	588	197	295	1080	1058	771	330	*	()
<i>Petronia petronia</i>	50		50	100	33	50	50		
<i>Montifringilla nivalis</i>	26			26	26				
<i>Sturnus roseus</i>	3	2		5	5				
<i>Sturnus vulgaris</i>	320	105	201	626	264	451	300	*	()
<i>Oriolus oriolus</i>		2		2	2				
<i>Pica pica</i>	22	5	13	40	26	29	18	*	
<i>Pyrrhocorax pyrrhocorax</i>	18			18	18	9			
<i>Corvus frugilegus</i>	75	3	1	79	11	42	41	*	
<i>Corvus corone cornix</i>	25	5	7	37	30	23	16	*	
TOTAL	2830	1015	1153	4998	2872	3081	1712	41 species	

.Behrouzi-Rad (1990) *

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Table 2. Birds ringed in Angouran area.

Scientific name	Total Lent. (mm)	() Weight (g)	Sex	Ag.	Ring no.	Height	(UTM) Location (UTM)	Date
<i>Phoenicurus ochruros</i>	135	13	F	Ad.	AZ 0951	1452 m	38 S 741647 4063458	30/9/02
<i>Phoenicurus phoenicurus</i>	137	15	F	Ad.	AA 9002	1496 m	38 S 738755 4055635	1/10/02
<i>Acrocephalus arundinacens</i>	175			Ad.	BH 1301	1498 m	38 S 738760 4055635	1/10/02
<i>Acrocephalus arundinacens</i>	159	30			BH 1300	1835 m	38 S 724043 4042139	2/10/02
<i>Acrocephalus scirpaceus</i>	126	12			AZ 0952	1837 m	38 S 724048 4042140	2/10/02
<i>Phylloscopus trochilus</i>	105	6.5		Ad.	AZ 0961	1500 m	38 S 738765 4055635	1/10/02
<i>Sylvia atricapilla</i>	143	15	M	Ad.	AA 9003	1497 m	38 S 738757 4055635	1/10/02
<i>Erithacus rubecula</i>	128	14		Ad.	AA 9004	1499 m	38 S 738762 4055635	1/10/02
<i>Luscinia svecica</i>	140	20	M	Ad.	AA 9006	1838 m	38 S 724051 4042140	2/10/02
<i>Carpodacus erythrinus</i>	145	25			AA 9005	1836 m	38 S 724046 4042139	2/10/02

(Evans 1994)



Figure 6. An artificial pond of Lead and Zinc mines around Marash village, Angouran area.

Behrouzi-Rad (1990)

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36°39'07"N, 47°40'46"E

(Muscicapa dauurica)

Sehhatiasabet

Mullarney *et al.* 1998)

.(in press

(Evans 1994)

.(Dement'ev *et al.* 1966)

.(Laws and Parliamentary Affairs Office 2004)

(Gallinago media)

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.(Evans 1994)

Table 3. Status of the birds in CITES appendices and important birds in the Middle East (Evans 1994).

Scientific Name	Restricted to the Middle East	Endangered in the Middle East	CITES	Persian Name
<i>Ciconia ciconia</i>		*	I	
<i>Ciconia nigra</i>			II	
<i>Milvus migrans</i>			II	
<i>Neophron percnopterus</i>		*	II	
<i>Buteo rufinus</i>			II	
<i>Circus cyaneus</i>			II	
<i>Aquila chrysaetos</i>			II	
<i>Falco tinnunculus</i>			II	
<i>Falco subbuteo</i>			II	
<i>Gallinago media</i>			II	
<i>Dendrocopos syriacus</i>		*		
<i>Prunella ocularis</i>	*			
<i>Erithacus rubecula</i>	*			
<i>Oenanthe xanthopygma</i>	*			
<i>Sitta tephronata</i>		*		
<i>Rhodopechys sanguinea</i>	*			

