598.2:591.5(575.1)

03.00.08-

_2012 . .015.10.01

: 100095, . . . , 1. .: (+99871)246-07-18; : (+99871)120-67-91. E-mail: <u>zool_uz@uznet.net</u>

____2012 .

., 1998; , 1998; , 2004).),

```
«
                                01970005387);
                               : «
            » (2001-2011 .);
                                           » (2008-2011
                                          );
```

To remove this message, purchase the product at www.SolidDocuments.com

```
2003);
                                               , 2003); «
2004);
                                        , 2005); «
                                 » (
                                                            , 2005);
                                                » (
      , 2006); «
                                  XXI
                                          » ( , 2006, 2008);
(
                                               , 2006); «
                                                , 2006); «
                                              2008); «
                                                 2008); «
                            , 2008, 2010); «
                                                      , 2009)
(11.06.2011)
 .015.10.01
                                          (29.02. 2012).
                                           11
             37
         , 23
                        1
                              201
```

14 21 .

386 .

,

· « »

XX ,

, . . . (1958, 1965, 1966).

, (1937), (1970), (1974), (1982),

(1987), (1991), (1993) . XX ,

,

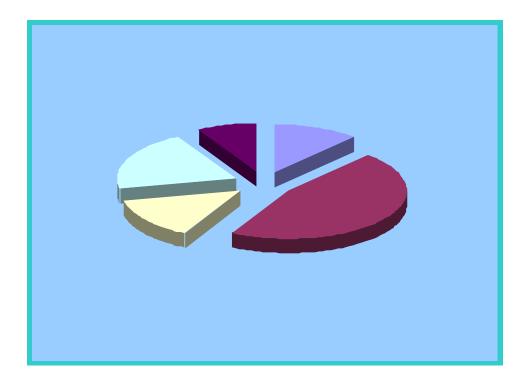
, .

, 2001-2011 .

```
7
                1958;
                                           , 1961;
(
1974;
                1976;
                      , 5-
(
             , 1950, 1959;
                                  , 1953).
                      , 374
              857
                                  109
                                                     16
                        ).
                                       , 1963;
                             , 1984;
                                              , 1998
1978;
              , 1984;
(
1990;
                  , 1978;
                                             ., 1987, 1990;
                    ., 1995;
                                            ., 2006).
(1986),
137
                                 17
                                                             29,6% -
                                           , 2009) 53,5% -
                   , 1971).
                                                    5 ( .1).
```

,							Γ	Γ
\		•	%					
1	Podicipediformes	1	0,7	_	_	_	1	_
2	Pelicaniformes	1	0,7	_	_	_	1	_
3	Ciconiiformes	5	3,6	_	1	3	1	_
4	Anseriformes	3	2,2	_	1	2	1	_
5	Falconiformes	9	6,6	_	3	2	4	_
6	Galliformes	2	1,4	1	_	1	_	_
7	Gruiformes	2	1,4	1		1	_	_
8	Charadriiformes	21	15,3	_	_	19	2	_
9	Columbiformes	6	4,4	3	1	2	_	_
10	Cuculiformes	1	0,7	_	1	_	_	_
11	Strigiformes	5	3,6	1	1	1	2	_
12	Caprimulgiformes	1	0,7	_	_	1	_	_
13	Apodiformes	1	0,7	_	1	_	_	_
14	Coraciiformes	4	2,9	1	_	3	_	_
15	Upupiformes	1	0,7		1			
16	Piciformes	1	0,7		_	1	_	_
17	Passeriformes	73	53,3	9	10	27	16	11
		137	100	16	19	63	28	11

: - , - , -



. 1.

: , , , , - , .1.

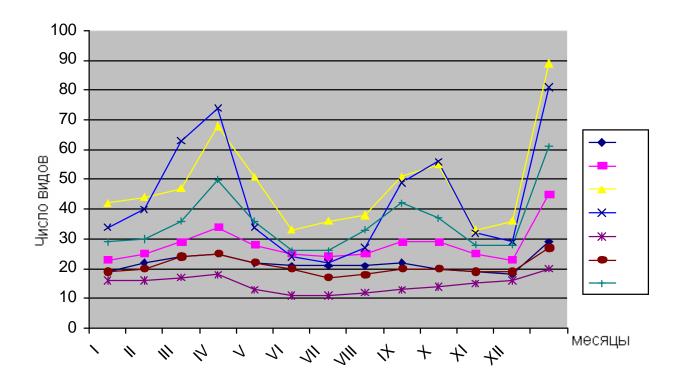
.

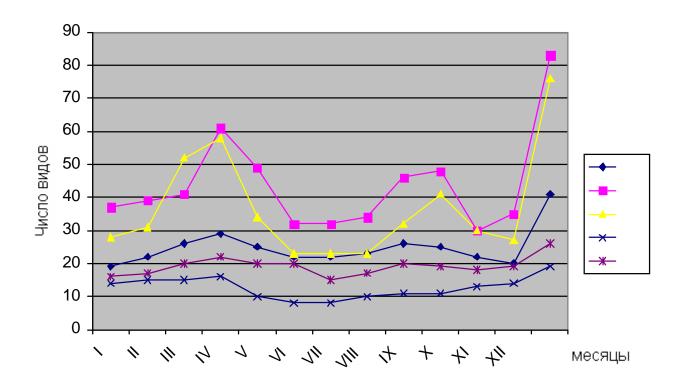
137 , -92, -49 -28 .

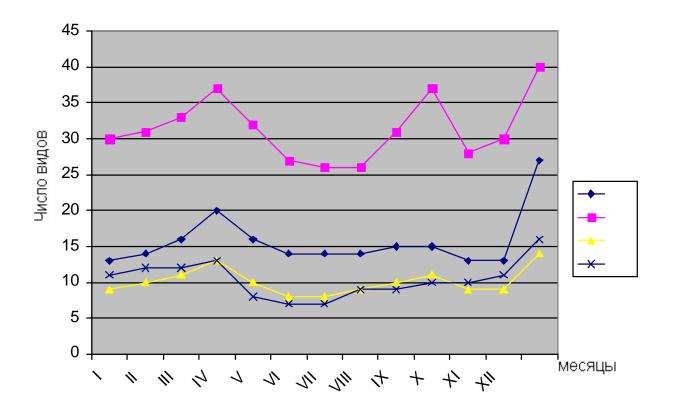
•

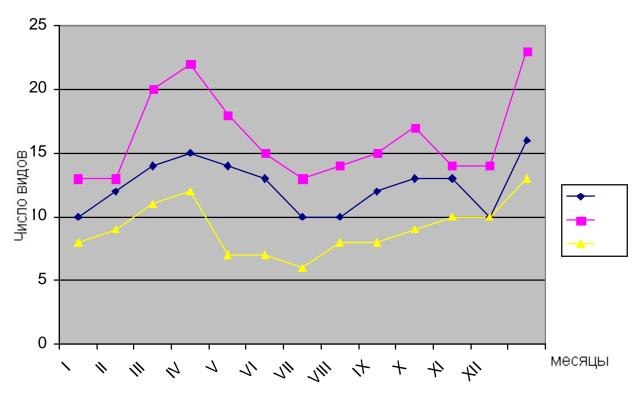
•

. , –









. 2.

: - , - , - , - , - , -

(23–89) – (13–20).

.

,

(63,0%), (6,6%) (. 2).

, ,

•

(%)

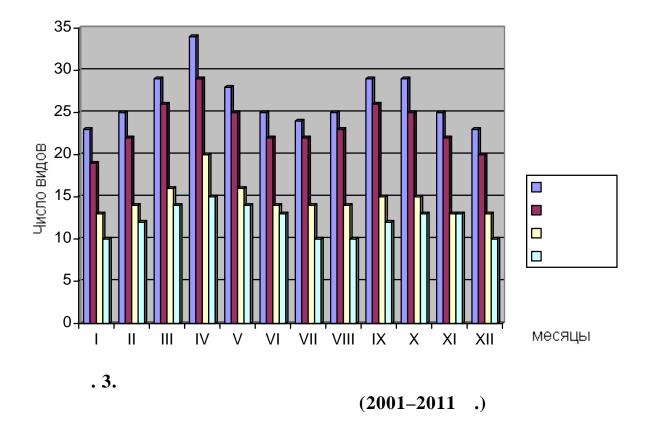
_	_	_	_	_	_
63,0	_	_	_	_	_
28,3	35,2	_	_	_	_
7,5	6,6	13,8	_	_	_
30,7	24,5	16,8	7,1	_	_
51,3	48,0	22,3	8,6	31,6	_
43,7	43,4	48,5	13,2	23,9	37,9

, , ,

45 10 34 (. 3). 3,4.

To remove this message, purchase the product at www.SolidDocuments.com

,



3.

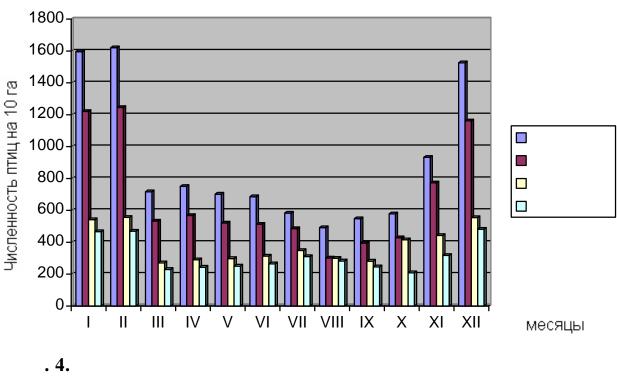
),

(2001–2011 .)

				,				(/	10)			
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	.(./
													10)
	• • •		T			1				1	1 1		100
	259	207	145	216	227	194	143	102	140	171	224	252	190
	428	350	243	266	239	219	180	187	194	251	378	439	281
	1596	1621	717	751	702	686	583	492	548	578	933	1526	894
	86	77	74	68	52	36	26	29	47	59	75	80	59
	12144	10236	7391	5248	3819	2366	1678	1712	2517	3409	5263	9193	5414
-	732	661	519	470	432	379	341	354	442	460	518	669	498
	117	103	81	75	73	59	51	45	49	60	71	98	73
	293	234	199	191	187	172	149	153	174	226	263	307	212
	1221	1246	533	568	521	513	486	302	395	429	773	1162	679
	73	66	61	60	45	30	21	28	33	44	67	69	49
	7020	6830	6101	4095	2958	1732	1149	1304	2803	3116	3946	5863	3909
-	766	723	675	554	502	449	412	483	569	607	665	746	595

218	191	179	168	156	150	144	148	153	162	196	202	172
542	556	271	291	298	314	349	300	282	416	443	555	385
32	28	31	24	18	16	11	14	17	22	24	30	22
3932	3088	3114	2068	1722	1134	861	817	949	1304	1828	2769	1965
135	143	158	162	167	175	179	163	151	157	148	126	155
467	470	230	244	251	265	311	283	246	209	318	482	315
2625	2446	2010	1379	968	866	794	813	875	926	1268	2017	1417

10 315 () 894 () (. 4).



(2001–2011 .)

,

.

, , , . . .

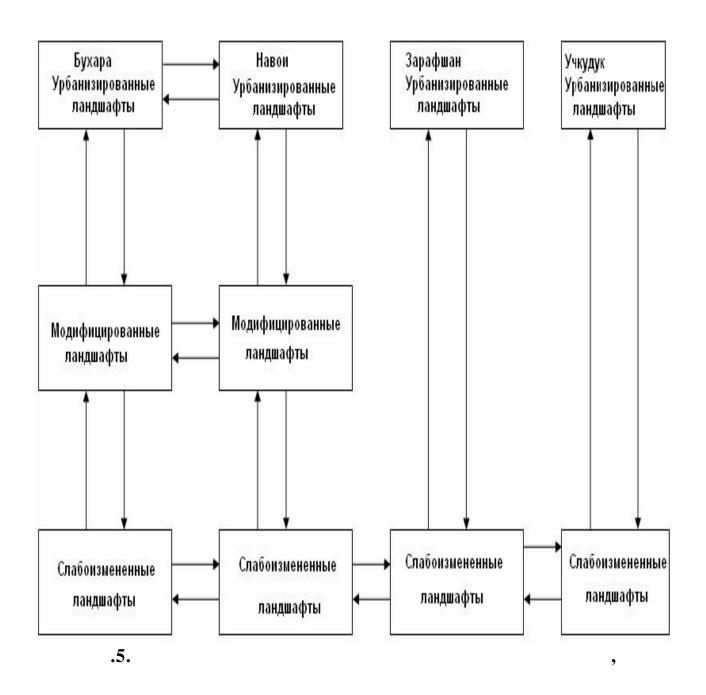
To remove this message, purchase the

```
35
          – 16,
                                            – 19),
                                                                    10
                                              35
             - 19,
                                 - 13.
                                              , 6
, 11 –
11
                                                                       ·
(1981 .).
                                            (1970 .)
              1980
                                   1988
                                                                       (
, 2000)
1984;
2008 . –
                         , 2000), 1998
                                                             (
                             , 2008).
                                                                       .)
  .).
                                                                 .),
```

(16 47,3%,) 44 12 (28 (16 35, - 24, - 10 -16. 10 – 8 – 16 – . 93%).

(. 5).

«



(

),

« »

,

. , 2008 . 3 .

, 1996 (2009 .)

,

30%.) 19

((.)

: 1. 137 17 29,6 % 53,5% - 16 (11,7%), – 19 (13,9%), 5 - 63 (46,0%), -28(20,4%,)- 11 (8,0%). 73 (53,3%), - 21 (15,3%) **−9 (6,6%).** 2. , 2) : 1) 3) , 4) 6) 7) - 5, 7 - 3. 23-89 -13-203. – 137, -92,- 49 - 28 (). -67,4%-18,8%. 4.),)

		13	,	(90%). 9,5%	
	6. :		,			,
35,	7 16 - 34,	_	- 19	– 19),	,	: -
253			713			
	8. :		- 28 32,1%	:	- 16, ·	42 12
() 1581 9.	, ().		. 10	,	473
					,	

10.

11. .

12. 1. 2. 3.

5.

	,			:
1.	• •			
	, 2005. –	4. – .86	5–88.	
2.	//		. –	, 2009. –
1. – . 40–43. 3.				//
	. –	, 2009. –	5 33-34	
4.				//
2 79-81.			. –	, 2009. –
5.				_
	1–2. – 118–	-120.		•
6.	• •	//	. –	, 2010. –
3/1. – . 190– 7.	191.			
				//
2010. – 4. –	20–24.			. –
8.	//			. –
2010. – 1. – . 9.	48–50.			
· ·			//	1 100
102.		. –	, 2010. –	1. – . 100–
10.			//	
11 Khalhaas	. – . F R S easonal da		2010. – 6. – . intering and nesting	
in towns of Kyzy 2011.– 1–2. – F	ylkum region // I			_

```
, 2000. – . 38–39.
                                  , 2003. – . 10–12.
    14.
             //
2003. - . 12-13.
    15.
    , 2003. – . 120–121.
2004. - . 149–150.
    17.
                                                          , 2004. – . 35–
37.
    18.
                                                //
                                   , 2005. – . 36–38.
    19.
                           //
                         , 2005. – . 38–40.
   20.
                               //
            , 2005. – . 361–362.
    21.
             //
2005. - . 362-363.
    22.
              , 2006. – . 50–53.
   23.
                         (
                                                  ) //
XXI
         : 10-
             50-
2006. – . 326.
```

24. // , 2006. – . 116–118. 25. // , 2006. – . 44–46. 26. // , 2006. – . 47–49. 27. // III , 2006. – . 130–134. 28. // , 2008. – .64–65. 29. // , 2008. – . 139–140. 30. // 2008. - . 190-191. 31. // / , 2008. – 125-130. 32. // XXI : 12-, 2008. – . 323. 33. . 12-// XXI , 2008. – . 324. 34. //

This document was created using

03.00.08 -(17 137). (2012).

03.00.08 -(137 17 : « (2012).

RESUME

Thesis of Kholboev Fakhriddin Rahmankulovich on the scientific degree competition of the doctor of biology on speciality 03.00.08 – Zoology, subject: "Fauna, population and ecology of birds in towns of Kyzylkum region"

Key words: Kyzylkum, avian fauna, species composition and numbers of birds, urbanization, landscape, ecology, station, adaptation, avian fauna formation, nesting and wintering of birds, protection of birds.

Subjects of research: birds of terrestrial and aquatic cenoses in the towns of Kyzylkum region.

Purpose of work: revealing the modern state and regularities of the formation of avian fauna in towns situated in the Kyzylkum desert.

Methods of research: zoological and ecological methods of inquiry were applied in the work.

The results achieved and their novelty: an up-to-date list of avian fauna (137 avian species of 17 orders) inhabiting key towns of the Kyzylkum region was compiled. Ecological factors providing regularities of the formation of avian fauna were for the first time identified for towns; the pattern of stay and distribution of birds in key stations of towns was established. The dynamics of the species composition and numbers of birds were revealed. Ecological peculiarities and mechanisms of adaptation of birds to urban conditions during nesting, wintering and formation of the avian fauna in towns of the arid zone, as well as interrelations of birds in urbanized territories and natural landscapes, were studied.

Practical value: the materials of the work will be used in ornithological studies, in the sphere of optimization of biotechnical events on conservation of avian diversity in urban conditions, educational courses of special biology and ecology, ornithological excursions and field practical work.

Degree of embed and economic effectivity: the results of the study are used in the educational courses of zoology, ecology, ornithology, zoogeography, ornithological excursions and establishment of ornithological study groups at Bukhara State University. Practical recommendations were developed for town-building agencies, sanitary-epidemic services, municipal services, protection and management of avian numbers: "the role of birds in urban ecosystems and recommendations for prevention of biological damages associated with them" (2012).

Field of application: education, ecology, environmental protection, agriculture, town building, sanitary-epidemic service and municipal services.