

## ADDITIONAL DATA FOR THE CATALOGUE OF BIRD COLLECTIONS OF THE OLTENIA MUSEUM CRAIOVA (ROMANIA)

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**Abstract.** The present paper is a tool of scientific valorisation of the data provided by the 34 bird specimens from the collection of the museum in the last years (2014-2019) and aims to complete the latest edition of the Ornithological Catalogue of the Oltenia Museum Craiova (O. M. C.). The bird specimens belong to 22 species of 21 taxonomic genera (*Tachybaptus*, *Microcarbo*, *Botaurus*, *Ardea*, *Phoenicopterus*, *Tadorna*, *Anas*, *Accipiter*, *Buteo*, *Perdix*, *Phasianus*, *Crex*, *Himantopus*, *Recurvirostra*, *Calidris*, *Scolopax*, *Limosa*, *Numenius*, *Larus*, *Alcedo*, *Oriolus*). The following data sequence will be presented for each bird specimen: place and date of collection, age group and sex, collector's name, preparation-preservation method and inventory number. The majority (17) of the recorded species are specific to the aquatic environment, most of them coming from the area of the Bistreț Lake (the Floodplain of the Danube, in the south of Dolj County). Two of the species (*Phoenicopterus ruber* and *Numenius arquata*) are singular in the ornithological collection of the O. M. C. adding value to the ornithological patrimony of the museum.

**Keywords:** catalogue, bird collection, Oltenia Museum Craiova.

**Rezumat. Date adiționale la Catalogul colecției de păsări a Muzeului Olteniei Craiova (România).** Lucrarea de față este un instrument de valorificare științifică a datelor furnizate de 34 de exemplare de păsări introduse în colecția muzeului în ultimii ani (2014-2019) și are scopul de a completa ultima ediție a catalogului ornitologic al Muzeului Olteniei Craiova (M. O. C.). Păsările la care ne referim aparțin la 22 specii din 21 genuri taxonomice (*Tachybaptus*, *Microcarbo*, *Botaurus*, *Ardea*, *Phoenicopterus*, *Tadorna*, *Anas*, *Accipiter*, *Buteo*, *Perdix*, *Phasianus*, *Crex*, *Himantopus*, *Recurvirostra*, *Calidris*, *Scolopax*, *Limosa*, *Numenius*, *Larus*, *Alcedo*, *Oriolus*). Pentru fiecare exemplar de pasăre este prezentată următoarea succesiune de date: locul și data colectării, grupa de vârstă și sexul, numele collectorului, modul de preparare-conservare și numărul de inventar. Majoritatea (17) dintre speciile înregistrate sunt specifice mediului acvatic, cele mai multe exemplare provenind din zona lacului Bistreț (Lunca Dunării din sudul județului Dolj). Două dintre specii (*Phoenicopterus ruber* și *Numenius arquata*) sunt singulare în colecția ornitologică a M. O. C., adăugând astfel un plus de valoare patrimoniului ornitologic al muzeului.

**Cuvinte cheie:** catalog, colecție de păsări, Muzeul Olteniei Craiova.

### INTRODUCTION

The Ornithological Collection of the Oltenia Museum Craiova (O. M. C.) consists of 1,808 pieces represented by 1,773 birds (stuffed birds, skins, trophies, skeletons), 30 nests and 5 rings. This patrimony has been gathered over decades, starting with 1923 (the foundation of the Museum of Natural History in Craiova, transformed into a section of the Oltenia Museum in 1928), by donations (Dionisie Linția, Constantina Sorescu, Dumitru Dumitrescu, etc.), acquisitions (Herman Fülöp Collection, Valeria Breahmă Collection, Mircea Popescu Skin Collection) and field collections made by the museum specialists during different scientific researches.

Most of the ornithological material has been scientifically processed and published over the years in various papers and catalogues (GROSSU & POPESCU, 1975; BAZILESCU et al., 1980; PETRESCU & RIDICHE, 2009; RIDICHE 2004, 2006, 2011, 2017).

The present paper is a tool of scientific valorisation of the data provided by the 34 bird specimens from the collection of the museum in the last years (2014-2019) and aims to complete the latest edition of the Ornithological Catalogue of the museum (RIDICHE, 2011).

### MATERIAL AND METHODS

For the classification system and the taxonomic list we used the Romanian Nomenclature of Birds (SZABÓ-SZELEY & BACZÓ, 2006), which also formed the basis of the last edition of the Ornithological Catalogue of the Oltenia Museum (RIDICHE, 2011), and for the update of some scientific names we accessed the database of BirdLife International (<https://www.iucnredlist.org/species/>).

Each bird specimen is presented with the following data sequence: place and date of collection, age and sex, collector's name, preparation and preservation method and inventory number. For an accurate knowledge of important bio-ecological characteristics of the bird species introduced in the collection, we included a table comprising brief data on their phenology and preferred habitat, as well as on the endangered species of birds in the European countries (HAGEMEIJER & BLAIR, 1997; MUNTEANU, 2005, 2012) – Table 1.

Used abbreviations and signs: Crt. Nr. – current number, Inv. Nr. – inventory number, Dj. – Dolj County, Ot. – Olt County, ♀ – female, ♂ – male, ○ – undetermined sex, ad. – adult, juv. – juvenile / immature, S. P. – stuffed piece. For the name of the collectors/donors, we also used abbreviations: B. L. – Bălă Lavinia; D. D. – Dumitrescu Dumitru; Ghe. A – Gheorghe Adrian; P. I. – Pătruțoiu Ion; R. M. – Ridiche Mirela; U. L. – Ungureanu Laurențiu; V. A. – Vișan Aneta; Z. E. – Zuican Emil.

## RESULTS AND DISCUSSIONS

The birds in question belong to 22 species of 21 genera, 13 families and 11 taxonomic orders, as follows:

Order: **PODICIPEDIFORMES**

Family: **PODICIPEDIDAE**

Genus: *Tachybaptus* Reichenbach, 1853

*Tachybaptus ruficollis* (Pallas, 1764) – **Little Grebe**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Bistreț – Dj.	December 10, 2016	Juv. o	D. D.	S. P.	55689

Order: **PELECANIFORMES**

Family: **PHALACROCORACIDAE**

Genus: *Phalacrocorax* Brisson, 1760

*Microcarbo pygmaeus* (Pallas, 1773); Synonym: *Phalacrocorax pygmaeus* (Pallas, 1773) – **Pygmy Cormorant**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Bistreț – Dj.	December 10, 2016	o, Imm.	D. D.	S. P.	55688

Order: **CICONIIFORMES**

Family: **ARDEIDAE**

Genus: *Botaurus* Stephens, 1819

*Botaurus stellaris* (Linnaeus, 1758) – **Bittern**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Bistreț – Dj.	December 10, 2016	o, ad.	D. D.	S. P.	55696
2	Bistreț – Dj.	December 10, 2016	o, ad.	D. D.	S. P.	55697
3	Bistreț – Dj.	December 10, 2016	♂, ad.	D. D.	S. P.	55698

Genus: *Ardea* Linnaeus, 1758

*Ardea alba* Linnaeus, 1758; Synonyms: *Casmerodius albus* (Linnaeus, 1758), *Egretta alba* (Crampe and Simmons 1977) – **Great White Egret**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Bistreț – Dj.	December 10, 2016	o, Imm.	D. D.	S. P.	55694
2	Bistreț – Dj.	December 10, 2016	♀	D. D.	S. P.	55695

Order: **PHOENICOPTERIFORMES**

Family: **PHOENICOPTERIDAE**

Genus: *Phoenicopterus* Linnaeus, 1758

*Phoenicopterus roseus* Pallas, 1811 – **Greater Flamingo**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Bistreț – Dj.	December 10, 2016	o, Imm.	D. D.	S. P.	55693

Order: **ANSERIFORMES**

Family: **ANATIDAE**

Genus: *Tadorna* von Oken, 1817

*Tadorna tadorna* (Linnaeus, 1758) – **Common Shelduck**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Bistreț – Dj.	December 10, 2016	♂, ad.	D. D.	S. P.	55690
2	Bistreț – Dj.	December 10, 2016	♂, ad.	D. D.	S. P.	55691
3	Bistreț – Dj.	December 10, 2016	♂, ad.	D. D.	Skin	55692

Genus: *Anas* Linnaeus, 1758

*Anas platyrhynchos* Linnaeus, 1758 – **Mallard**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Măinești - Ot.	December 12, 2015	♂, ad.	D. D.	S. P.	55667

Order: **ACCIPITRIFORMES**

Family: **ACCIPITRIDAE**

Genus: *Accipiter* Brisson, 1760

*Accipiter gentilis* (Linnaeus, 1758) – **Northern Goshawk**

Crt. Nr.	Place of collection	Date collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Breasta – Dj.	October, 2010	o, Imm.	AG.V.P.S.	S. P.	55396

*Accipiter nisus* (Linnaeus, 1758) – **Eurasian Sparrowhawk**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Beharca – Dj.	October 6, 2016	♀, ad.	B. L.	S. P.	55705

Genus: *Buteo* Lacépède, 1799***Buteo buteo* (Linnaeus, 1758) – Buzzard**

Crt. Nr.	Place of collection	Date of collection	Sex, age	Collector's name	Preservation	Inv. Nr.
1	Cârcea – Dj.	December 3, 2016	♀, ad.	B. L.	S. P.	55704

Order: GALLIFORMES

Family: PHASIANIDAE

Genus: *Perdix* Brisson, 1760***Perdix perdix* (Linnaeus, 1758) – Partridge**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Leu – Dj.	November 12, 2017	♀, ad	U. L.	S. P.	55395
2	Ot.	-	♂, ad.	D. D.	S. P.	55682

Genus: *Phasianus* Linnaeus, 1758***Phasianus colchicus* Linnaeus, 1758 – Pheasant**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Măinești - Ot.	December 12, 2015	♂, ad.	D. D.	S. P.	55665
2	Ot.	-	♀, ad	D. D.	S. P.	55681
3	Ot.	-	♂, ad.	D. D.	S. P.	55678
4	Ot.	-	♂, ad.	D. D.	S. P.	55679
5	Ot.	-	♂, ad.	D. D.	S. P.	55680

Order: GRUIFORMES

Family: RALLIDAE

Genus: *Crex* Bechstein, 1803***Crex crex* (Linnaeus, 1758) – Corncrake**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Malu Mare – Dj.	October 15, 2013	♀, ad.??	Z. E.	S. P.	55397

Order: CHARADRIIFORMES

Family: RECURVIROSTRIDAE

Genus: *Himantopus* Brisson, 1760***Himantopus himantopus* (Linnaeus, 1758) – Black-winged Stilt**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Măceșu de Jos – Dj.	August 17, 2016	♂, Imm.	B. L.	S. P.	55706

Genus: *Recurvirostra* Linnaeus, 1758***Recurvirostra avosetta* Linnaeus, 1758 – Avocet**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Bistreț – Dj.	December 10, 2016	♀, ad	D. D.	S. P.	55699
2	Bistreț – Dj.	December 10, 2016	♀, ad	D. D.	Skin	55700

Family: SCOLOPACIDAE

Genus: *Calidris* Merrem, 1804*Calidris falcinellus* (Pontoppidan, 1763); Synonym: *Limicola falcinellus* (Pontoppidan, 1763) – Broad-billed

Sandpiper

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Bistreț – Dj.	December 10, 2016	♀, ad	D. D.	S. P.	55702

Genus: *Scolopax* Linnaeus, 1758***Scolopax rusticola* Linnaeus, 1758 – Eurasian Woodcock**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Dobrețu – Ot.	January, 2016	♂, ad.	D. D.	S. P.	55666

Genus: *Limosa* Brisson, 1760***Limosa limosa* (Linnaeus, 1758) – Black-tailed Godwit**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Bistreț – Dj.	September, 2013	♂, ad.	V. A.	S. P.	55398

Genus: *Numenius* Brisson, 1760***Numenius arquata* (Linnaeus, 1758) – Eurasian Curlew**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Bistreț – Dj.	December 10, 2016	♂, ad.	D. D.	S. P.	55701

Family: LARIDAE

Genus: *Larus* Linnaeus, 1758***Larus cachinnans* Pallas, 1811 – Caspian Gull**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Urzicuța – Dj.	November 15, 2014	♂	Ghe. A.	S. P.	55399

Order: **CORACIIFORMES**Family: **ALCEDINIDAE**Genus: *Alcedo* Linnaeus, 1758*Alcedo atthis* (Linnaeus, 1758) – **Kingfisher**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Bistreț – Dj.	December 10, 2016	♂, Imm.	D. D.	S. P.	55703

Order: **PASSERIFORMES**Family: **ORIOOLIDAE**Genus: *Oriolus* Linnaeus, 1766*Oriolus oriolus* (Linnaeus, 1758) – **Golden Oriole**

Crt. Nr.	Place of collection	Date of collection	Sex, age group	Collector's name	Preservation	Inv. Nr.
1	Fărcaș – Dj.	July, 2013	♂, Imm.	R. M.	S. P.	55400
2	Călugărei-Urodel (Dj.)	September 17, 2016	♂, Imm.	P. I.	S. P.	55707

In Table 1, for each recorded bird species, we noted the phenology, preferred habitat and threat status at a national and European level, as these data help us to better understand their faunistic value.

Table 1. The habitat, the phenological type, and the threat status of the species of birds, introduced into the patrimony of the Oltenia Museum.

Nr.	Species	Habitat		The phenological type	Threat / Preservation Status	
		Aquatic	Terrestrial		Romania	Europe
1	<i>Tachybaptus ruficollis</i>	t	-	SV, rW	-	S
2	<i>Microcarbo pygmaeus</i>	t	-	SV	V	V
3	<i>Botaurus stellaris</i>	t	-	SV, P, rW	-	(V)
4	<i>Ardea alba</i>	t	-	SV, P, rW	E	S
5	<i>Phoenicopterus roseus</i>	t	-	Er	-	L
6	<i>Tadorna tadorna</i>	t	-	SV, rW	V	S
7	<i>Anas platyrhynchos</i>	t	+	PM, WV	-	S
8	<i>Accipiter gentilis</i>	t	-	R	-	S
9	<i>Accipiter nisus</i>	+	t	R, P, WV	-	S
10	<i>Buteo buteo</i>	+	t	R, P, WV	-	S
11	<i>Perdix perdix</i>	-	t	R	-	V
12	<i>Phasianus colchicus</i>	-	t	R	-	S
13	<i>Crex crex</i>	t	+	SV	V	V
14	<i>Himantopus himantopus</i>	t	-	SV	E	S
15	<i>Recurvirostra avosetta</i>	t	-	SV	V	L
16	<i>Calidris falcinellus</i>	t	-	P	-	(V)
17	<i>Scolopax rusticola</i>	t	-	P, SV, rW	-	V
18	<i>Limosa limosa</i>	t	-	P	-	V
19	<i>Numenius arquata</i>	t	-	P	-	D
20	<i>Larus cachinnans</i>	t	-	P, SV	-	-
21	<i>Alcedo atthis</i>	t	-	R/PM, WV	-	D
22	<i>Oriolus oriolus</i>	-	t	SV	-	S

**Legend:** Habitat: t – typical (specific); + – complementary (secondary). The Phenological type: R – resident; PM – partially migratory; SV – summer visitors; WV – winter visitors; P – passage visitors, Er – erratic, r - rare. Threat status: E – endangered, V – vulnerable, D – declining, L – limited area, S – safe, () – provisional status.

Most of the recorded species (17) are specific to the aquatic environment, most of them being found dead or injured in area of Bistreț Lake (the Floodplain of the Danube, in the south of Dolj County).

In terms of conservation, in Romania, six of the species are listed as vulnerable species (*Microcarbo pygmaeus*, *Tadorna tadorna*, *Crex crex*, *Recurvirostra avosetta*) or endangered species (*Ardea alba*, *Himantopus himantopus*) in the Red Book of Vertebrates (MUNTEANU, 2005); at European level (according to HAGEMEIJER & BLAIR, 1997), almost half of the species present different degrees of threat (vulnerable - 6 species, declining - 2 species, limited area - 2 species), and the rest are safe. Two of the species (*Phoenicopterus ruber* and *Numenius arquata*) are singular in the ornithological collection of O.M.C., adding value to the ornithological patrimony of the museum.

## CONCLUSIONS

Between 2014 and 2019, 34 ornithological pieces were introduced in the patrimony of the Oltenia Museum Craiova, representing 22 bird species belonging to 21 genera, 13 families and 11 taxonomic orders. Most of these are typical aquatic species, of which *Phoenicopterus ruber* and *Numenius arquata* are singular in the ornithological collection of the O. M. C., adding value to the ornithological patrimony of the museum. Six species (*Microcarbo*

*pygmaeus*, *Ardea alba*, *Tadorna tadorna*, *Crex crex*, *Himantopus himantopus* and *Recurvirostra avosetta*) are listed in the Red Book of Vertebrates from Romania.

For each registered bird specimen, we presented the following data sequence: place and date of collection, age and sex, collector's name, preparation and preservation method and inventory number.

The paper aims at completing the latest edition of the Ornithological Catalogue of the Museum Oltenia Craiova.

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