



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

NÚCLEO DO  
CONHECIMENTO

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO

CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

## NON-PASSERIFORMES BIRDS SPECIES OF THE PARAGUAY RIVER, PANTANAL WETLAND, CÁCERES - MT BRAZIL

### ORIGINAL ARTICLE

NUNES, Josué Ribeiro da Silva<sup>1</sup>, SILVA, Carolina Joana da<sup>2</sup>, DIAS FILHO, Manoel Martins<sup>3</sup>

NUNES, Josué Ribeiro da Silva. SILVA, Carolina Joana da. DIAS FILHO, Manoel Martins. **Non-Passeriformes birds species of the Paraguay river, Pantanal wetland, Cáceres - MT Brazil.** Revista Científica Multidisciplinar Núcleo do Conhecimento. Year 08, Ed. 02, Vol. 02, pp. 110-133. February 2023. ISSN:2448-0959, Access link in: <https://www.nucleodoconhecimento.com.br/biology/birds-species>, DOI: 10.32749/nucleodoconhecimento.com.br/biology/birds-species

### ABSTRACT

The Pantanal has about 730 bird species, of about 80 are aquatic birds, being the richest and abundant region with aquatic birds of the continent. This study was realized with the aim to register the occurrence and distribution of the birds, over 140 km of the Paraguay river, between the urban area of Cáceres-MT county and Descalvados farm, and in 13 parental lakes over the Rivers. The samples were realized by boat with constant speed, all the individuals observed or heard were registered. It was registered in total 177 species of non Passeriformes birds in the Paraguay river and 13 parental lakes. In the excerpt RIOIII of the Paraguay river was registered bigger diversity, between the lake, BJCRC shown bigger richness. It was evidenced the importance of the area by the elevated number of registered species.

Key-words: birds, diversity, lakes, Pantanal.

### 1. INTRODUCTION

In the context of singularity, conservation and priority, Olson *et al.* (1998) consider the Pantanal as “with global accent, vulnerable and with high priority for conservation



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

NÚCLEO DO  
CONHECIMENTO

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO

CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

on a regional scale". The existing data of biological diversity of the Pantanal are small and fragmented yet (NUNES; SILVA and FERRAZ, 2017).

The fragile balance of the Pantanal ecosystem, maintained by the flood pulse (JUNK *et al.*, 1989), are threatened by the new direction of the economic politics. Navigation on the Paraguay River, highways and dam building are the main troubles within of the Pantanal. Before another factor like deforestation (SILVA *et al.*, 2015; SEIDL; SILVA and MORAES, 2001), change on the hydraulic geometry of the rivers, change the natural vegetation on the head waters (SILVA *et al.*, 2000; NUNES *et al.*, 2000)

The Pantanal is the region with high number of aquatic birds in the continent (SICK, 1997). Research estimate about 730 species in the region, including migratory birds, accidental visitors and introduced species, being about 500 species in the region (SILVA *et al.*, 2000; VITORINO *et al.*, 2017; ENDRIGO; PIVATTO and BERNARDON, 2012; STRAUBE e PIVATTO, 2012; NUNES *et al.*, 2020; QUEIROZ *et al.*, 2021).

The purpose of this research is registration the occurrence and distribution of the birds into the different environments of the Paraguay River and parental lakes, between the urban area of the Cáceres city to the Descalvados farm (140 km).

## 2. MATERIAL AND METHODS

### 2.1 STUDY AREA

The Pantanal of Mato Grosso state is situated in the western of Brazilian territory, in the Mato Grosso and Mato Grosso do Sul states. Is a depression floodable seasonally, fully contained in the drainage watershed of the Paraguay River and comprises about 140.000 Km<sup>2</sup> (BRASIL, 1982) (Figure 1).

The field samples were carried out along the Paraguay River, from the urban area of the Cáceres municipality to the Descalvados farm, traversing 134km of river,



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

NÚCLEO DO  
CONHECIMENTO

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO

CONHECIMENTO ISSN: 2448-0959

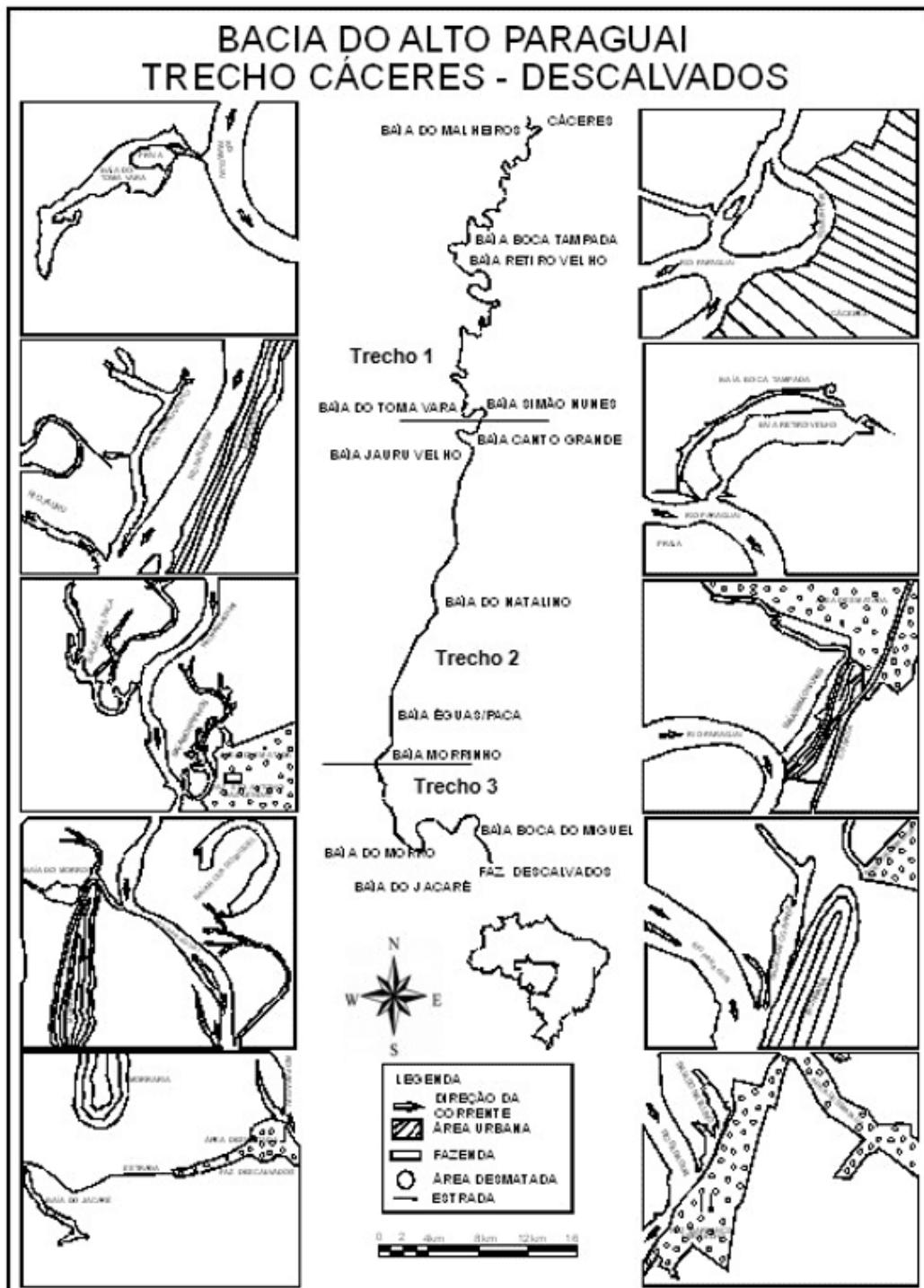
<https://www.nucleodoconhecimento.com.br>

between may/2008 to may/2009, trying to sample on al hydrologic periods (Figure1). It was divided into three snippets, being RIO I, characterized like a highly meandric, located between *Caceres* city to the *Canto Grande* lake, RIO II shown the most straightened river and more wide, located between *Canto Grande* lake and *Das Éguas/Paca* lakes, the snippets RIO III is the transition of straightened to plain and is located between *Das Éguas/Paca* lakes to *Descalvados* farm. Surveys were carried out also in 13 parental lakes of the Paraguay River.

The samples collects were realized using boat (25hp, 2t, Yamaha), by medium speed of 15 km/h in the river and lakes. To observation it was used binoculars (7 x 50 mm) and photographic register by means of a digital camera Canon Rebel XTI, with 12 mega pixel. The sample points were marked using GPS, Garmim etrax vista. The nomenclature used followed NBRO (2014).



Figure 1. Study area at the Paraguay river, from Caceres municipality to Descalvados Farm, Caceres - MT. Drowned by Landsat, 2008. SEMA-MT



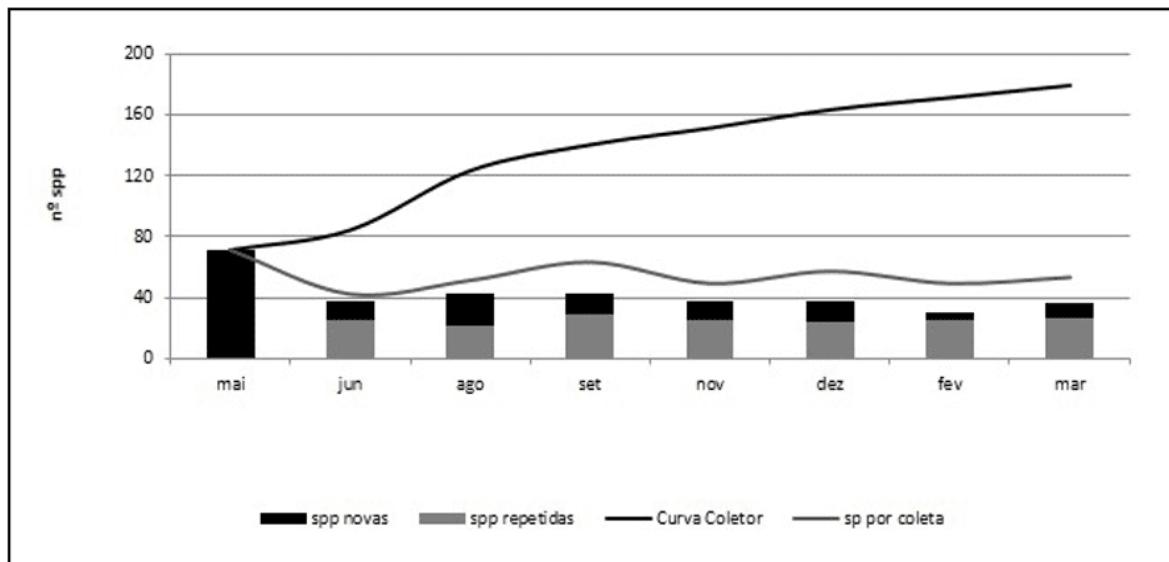
Source: authors.

### 3. RESULTS AND DISCUSSION

During sample collects, it was registered 177 species distributed on 21 orders and 42 families, totaling 480 hours of observation. This is the first systematic survey in this area.

The figure 2, show new species on each collect, repeated species per collect, species cumulative curve, and the number of species per collect on the study area, evidences the tendency to stabilization. Although is it possible to exists not sampled species in the region, we believe that the survey was satisfactory, because the kind of environment mainly aquatic or riverine not shown a bigger variation.

Figure 2. Species cumulative curve at the Paraguay River, from Cáceres municipality to *Descalvados* farm, Pantanal of Cáceres - MT



Source: authors.

Nunes; Tomas and Ticianeli (2005), studying the Nhumirim farm on the Pantanal of Nhecolândia, identify 272 species including passeriformes and non passeriformes. Tubelis and Tomas (2003) published a list with 465 species of passeriformes and non passeriformes for the Pantanal and surrounding area, Pessoa *et al.* (2013) found



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

NÚCLEO DO  
CONHECIMENTO

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO

CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

169 species studying passeriformes and non passeriformes in the Paraguay river in the *Barra do Bugres* municipality.

In the PCBAP (BRASIL, 1997) it were identified 656 bird species on the Pantanal matogrossense for the states of Mato Grosso and Mato Grosso do Sul, being that it was visited ten localities, for these authors the number of bird species can reach 700.

Of the 21 orders found, Falconiformes showed 24 species being that the total of the species for this order in Brazil is of 69. In this research it was found 35% of this amount, Nunes; Tomas and Ticianeli (2005), Nunes; Silva and Dias Filho (2012a), Nunes *et al.* (2020a; 2020b), Fieker *et al.* (2013) e Farias *et al.* (2015) found the same standard, studying the Pantanal of Mato Grosso do Sul and the same area and Nunes *et al.* (2018) studying the wetlands of Guaporé River.

For the Ciconiiformes it was identified 21 species. The Brazil had 36 species of this order, being that for the Pantanal region, it was found 66% of this amount, because the biggest part of the species of this order, are aquatic bird, and this is the main environment in the region, allowing that those species to be very common in the Pantanal.

The Psitaciformes showed 16 species, being that the total number for Brazil is of 84, so in this study it was observed 18% of these species. Columbiformes was the fourth order in number of species (13), being that, the total for Brazil is 22 species, reaching 60% on this research.

The orders who show the small number of bird species were, Struthioniformes with one species, Pelecaniformes with two species. Podicipediformes showed two species. Trogoniformes two species and Galbuliformes three species.



We registered the following orders Psittaciformes, Pelecaniformes, Ciconiiformes, Cathartiformes, Coraciiformes, Columbiformes, Galliformes, Cuculiformes and Falconiformes in all sample points.

The most representative families were Psittacidae with 16 species, totalizing 18% of the total, which reach 84 species. Accipitridae with 15 species totalize 34% of the total of species of this family, which in Brazil is about 45 species. It were found 14 species belonging to the Ardeidae family, in the Brazil the number os species belonging to this family is of 21 species, being that the species found in this study, make up 67% of this total.

The families Psittacidae, Phalacrocoracidae, Anhingidae, Ardeidae, Cathartidae, Alcedinidae, Columbidae, Cracidae and Accipitridae were observed on all samples points.

The table 2 shown a list of species as well as their distribution per sample unit, though the presence absence of the individulas into the localities, totalizing 177 species, distributed unto the 16 samples points, along Paraguay River to Descalvados farm.

The major influence in the bird fauna in the Pantanal is certainly the Cerrado biome, being this contributes with the biggest part of the species found, this due to the occurrence of a typical vegetation of Cerrado into the Pantanal. Another factor that favors the presence of species from Cerrado, including the endemics one, is the low endemism in the Pantanal (FROTA *et al.*, 2020a; FROTA *et al.*, 2000b; VITORINO *et al.*, 2018; NUNES; SILVEIRA and SILVA, 2012; NUNES and TOMAS, 2004).

Table 1. Registered species on all sample points along of Paraguay River and the parental lakes

Taxa Name	Popu lar name	B M L H	R I O I	B C T T	B R O V	R I O M V	B S M N N	R I O III	B C T G D	B J R V L	B B C P C	B E C V N T	B B P C	B M O R C	BM OR RO B C M G	B B C R E
-----------	---------------	---------	---------	---------	---------	-----------	-----------	-----------	-----------	-----------	-----------	-------------	---------	-----------	------------------	-----------



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO

CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

RHEIF ORMES Forbes, 1884																				
Rheidae Bonaparte 1849																				
<i>Rhea americana</i> (Linnaeus 1758)	Ema																			
TINAMI FORME S Huxley 1872																				
Tinamidae Gray 1840																				
<i>Crypturellus parvirostris</i> (Wagler 1827)	Nhm abu-xororó																			
<i>Crypturellus tataupa</i> (Temminck 1815)	Inha mbu-chintâ																			
<i>Crypturellus undulatus</i> (Temminck 1815)	Jaó																			
<i>Rhynchosciurus fuscus</i> (Temminck 1815)	Perdiz																			



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO

CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

ANSERIFORMES Linnaeus 1758														
Anhimidae Stejneger 1885														
<i>Anhima cornuta</i> (Linnaeus 1766)	Tachã, Anhuma													
<i>Chauna torquata</i> (Oken 1816)	Inhuma, tachã													
Anatidae Leach 1820														
Anatinidae Leach 1820														
<i>Amazonetta brasiliensis</i> (Gmelin 1789)	Sinhazinha													
<i>Cairina moschata</i> (Linnaeus 1758)	Pato-domato													
Dendrocygninae Reichenbach 1850														
<i>Dendrocygna autumnalis</i> (Linnaeus)	Asa-branca													



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

us 1758)																					
<i>Dendric yngna bicolor</i> (Vieillot 1816)	Marr eca- canele ira																				
<i>Dendro cygna viduata</i> (Linnae us 1766)	Irerê																				
GALLIF ORMES Linnaeu s 1758																					
Cracida de Rafines que 1815																					
<i>Crax fasciolat a</i> Spix 1825	Mutu m pinim a																				
Taxa Name	Popu lar name	B M L H	R I O I	B B C T P	B R T V L	R I O II	B T M V R	B S M N N	R I O III	B C T G D	B J R V L	B B C N T	B E P C	B M O R RI	BM OR RO	B B C M G	BJ C R E				
<i>Ortalis canicollis</i> (Wagler 1830)	Arac uã- do- papnt anal																				
<i>Penelop e ocroga ster</i> Pelzein 1870	Jacu- barri ga- casta nha																				
<i>Aburria cujubi</i> (Pelzeln 1858)	Cuju bi																				



<i>Aburria cumane nsis</i> (Spix 1825)	Jacut inga																				
PODIC EPEDIF ORMES Furbring 1888																					
Podicep edidae Bonaparte 1831																					
<i>Podilymbus podiceps</i> (Linnaeus 1758)	Mergulhão caçador																				
<i>Tachybaptus dominicus</i> (Linnaeus 1766)	Mergulhão zinho																				
CICONIIFORMES Bonaparte 1854																					
Ciconiidæ Sundevall 1836																					
<i>Ciconia maguari</i> (Gmelin 1789)	Tabuíáia, maguari																				
<i>Jabiru mycteria</i> (Lichtenstein 1819)	Tuiuiú																				



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO  
CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO

CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

<i>Mycteria americana</i> (Linnaeus 1758)	Cabeça-seca																						
SULIFO RMES Sharpe 1891																							
<i>Anhingidae</i> Reichenbach 1849																							
<i>Anhinga anhinga</i> (Linnaeus 1766)	Biguatingá, biuá																						
<i>Phalacrocoraciidae</i> Reichenbach 1849																							
<i>Nannopterum brasilianus</i> (Gmelin 1789)	Biguá																						
PELEC ANIFO RMES Sharpe 1891																							
<i>Ardeidae</i> Leach 1820																							
<i>Ardea alba</i> Linnaeus 1758	Garça-branca-grande																						



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO

CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

<i>Ardea cocoi</i> Linnaeus 1766	maguari, garça moura																			
<i>Botaurus pinnatus</i> (Wagler 1829)	Socó boi baio																			
<i>Bubulcus ibis</i> (Linnaeus 1758)	Garça vaqueira																			
Taxa Name	Popular name	B M L H	I O I	B B C T P	B R T V L	R I O II	B T M V R	B S M N N	R I O III	B C T G D	J R V L	B B C N T	B E P C	B M O R RI	BM OR RO	B B C M G	B J C R E			
<i>Butorides striata</i> (linnaeus 1758)	Soco zinho																			
<i>Cochlearius cochlearius</i> (Linnaeus 1766)	Arapapa																			
<i>Egretta caerulea</i> (Linnaeus 1758)	garcinha azulada																			
<i>Egretta thula</i> (Molina 1782)	Garça-pequena																			
<i>Ncticorax nycticorax</i> (Linnaeus)	Socó dorminhoco																			



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

us 1758)																	
<i>Pilherodrius pileatus</i> (Boddart 1783)	Garç a real																
<i>Syrigma sibilatrix</i> (Temminck 1824)	Maria Faceira																
<i>Tigrisoma lineatum</i> (Boddart 1783)	Socó boi																
<i>Zebrilus undulatus</i> (Gmelin 1789)	Soco í- zigue - zagüe																
<i>Threskiornithidae</i> Poche, 1904																	
<i>Mesembriornis cayennensis</i> (Gmelin 1789)	Fran go d'água																
<i>Phimosus infuscatus</i> (Lichtenstein 1823)	Tapic uru- carapela da																
<i>Platalea ajaja</i> Linnaeus 1758	Colh ereir o																



<i>Theristicus caudatus</i> (Boddart 1783)	Curicaca																		
<i>Theristicus coerulescens</i> (Vieillot 1817)	Curicaca cinza, real																		
CATHARTIFORMES Seeböhm 1890																			
<i>Cathartidae</i> Lafresnaye 1839																			
<i>Cathartes aura</i> (Linnaeus 1758)	Urubu-caçador																		
<i>Cathartes burrovianus</i> Cassin 1845	Urubu-caçador																		
<i>Coragyps atratus</i> (Bechstein 1793)	Urubu-preto																		
<i>Sarcophagus papa</i> (Linnaeus 1758)	urubu-rei																		
ACCIPISTRIFOR																			



MES Bonaparte 1831																				
Pandionidae Bonaparte 1854																				
<i>Pandion haliaetus</i> (Linnaeus 1758)	Águia pescadora																			
Taxa Name	Popular name	B M L H	I O I	B B C T P	R R T V L	I O II	B T M V R	S M N N	R I O III	B C T G D	J R V L	B B C N T	E P C	B M O R R	BM OR RO	B B C M G	B J C R E			
Accipitridae Vigors 1824																				
<i>Busarellus nigricollis</i> (Lathan 1790)	Gavião-belo																			
<i>Rupornis magnirostris</i> (Gmelin 1788)	Gavião carijó																			
<i>Buteo nitidus</i> (Lathan 1790)	gavião-cigarraria																			
<i>Buteo platypterus</i> (Vieillot 1823)	gavião de asa-larga																			
<i>Urubutinaga urubutin ga</i>	Gavião preto																			



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

(Gmelin 1788)																			
<i>Circus buffoni</i> (Gmelin 1788)	Gavi ão- do- brejo																		
<i>Elanoid es forficatu s</i> (Linnae us 1758)	gaviã o- tesou ra																		
<i>Elanus leucuru s</i> (Vieillot, 1818)	gaviã o penei ra																		
<i>Gamps onyix swainso nii</i> (Vigors 1825)	Gavi ãozin ho																		
<i>Gerano spizia coerule scens</i> (Vieilliot 1818)	gaviã o pernil ongo																		
<i>Heteros pizias meridio nalis</i> (Latham 1790)	Gavi ão casa ca couro																		
<i>Leptodo n cayene nsis</i> (Lathan 1790)	gaviã o- cabe ça- cinza																		
<i>Pseuda stur albicollis</i> (Kaup 1847)	gaviã obra nco																		



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

<i>Helicolestes hamatus</i> (Temminck 1821)	gavião-do-igapó																			
<i>Rostrhamus sociabilis</i> (Vieillot 1817)	Cara-mujer																			
EURYPYGIFO RMES Furbring er 1888																				
Eurypygidae Selby 1840																				
<i>Eurypyga helias</i> (Pallas 1781)	Pavãozinho																			
GRUIFORMES Bonaparte 1854																				
Aramidae Bonaparte 1852																				
<i>Aramus guarauna</i> (Linnaeus 1766)	Carão																			
Heliornitidae Gray 1840																				
<i>Heliornis fulica</i> (Bodda)	Picaparra																			



ert 1783)																			
CARIA MIFOR MES																			
Cariami dae Bonapa rte 1850																			
Taxa Name	Popu lar name	B M L H	R I O I	B B C T P	B R T V L	R I O II	B T M V R	B S M N N	R I O III	B C T G D	B J R V L	B B C N T	B E P C	B M O R RI	BM OR RO	B B C M G	BJ C R E		
<i>Cariam a cristata</i> (Linnae us 1766)	Serie ma																		
Rallidae Rafines que 1815																			
<i>Aramide s cajaneu s</i> (Statiu s Muller, 1776)	Sara cura- três- potes																		
<i>Gallinul a galeata</i> (Lichten stein, 1918)	Fran go-d água																		
<i>Porphyri o martinic a</i> (Linnae us 1766)	Sara cura preta																		
<i>Mustelir allus albicollis</i>	joão canh																		



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

(Vieillot 1819)	ão sanã																		
CHARA DRIIFO RMES Huxley 1867																			
Charadr iidae Leach, 1820																			
<i>Charadr ius collaris</i> (Vieillot 1818)	Batui ra-de-coleira																		
<i>Vanellu s cayanus</i> (Latham 1790)	Mexe rique ra																		
<i>Vanellu s chilensi s</i> (Molina 1782)	Quer o-quer o																		
Recurvir ostridae Bonaparte 1831																			
<i>Himanto pus melanurus</i> (Vieillot 1817)	Maça rico																		
Scolopacidae Rafinesque 1815																			
<i>Actitis macular ius</i> (Linnae	Maça rico pinta do																		



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

us 1766)																		
<i>Bartramia longicauda</i> (Bachstein 1812)	Maça rico-docomp o																	
<i>Calidris fuscicollis</i> (Vieillot 1819)	Maça riquinho																	
<i>Calidris melanotos</i> (Vieillot 1819)	Maça rico-de-colete																	
<i>Tringa flavipes</i> (Gmelin m 1789)	Maça rico																	
<i>Tringa solitaria</i> (Wilson 1813)	Maça rico-solitário																	
<i>Calidris subruficollis</i> (Vieillot, 1819)	Maça rico-acanelado																	
Jacanidae Chenu & Des Murs 1854																		
<i>Jacana jacana</i> (Linnaeus 1766)	Café zinho																	
Laridae Vigors 1825																		



Taxa Name	Popular name	B M L H	R I O I	B B C T P	B R T V L	R I O II	B T M V R	B S M N N	R I O III	B C T G D	B J R V L	B B C N T	B E P C	B M O R R I	BM OR RO	B B C M G	B J C R E
<i>Phaetus a simplex</i> (Gmelin 1789)	Taia mā																
<i>Sternula superciliaris</i> (Vieillot 1819)	Trinta-réis-anão																
<i>Rynchopidae</i> Bonaparte 1838																	
<i>Rynchops niger</i> (Linnaeus, 1758)	Talha mar																
COLUM BIFOR MES Latham 1790																	
<i>Columbidae</i> Leach 1820																	
<i>Claravis pretiosa</i> (Ferrari-Perez 1886)	Pomba-domato																
<i>Columba livia domestica</i> (Gmelin 1789)	Pombo doméstico																
<i>Columba minuta</i>	Rolinha-asas-																



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

(Linnaeus 1766)	canela																							
<i>Columbina picui</i> (Temminck 1813)	Rolinha-branca																							
<i>Columbina squamata</i> (Lesson 1831)	Rolinha-fogo-apagou																							
<i>Columbina talpacoti</i> (Temminck 1811)	Rolinha-caldo-feijão																							
<i>Leptotila rufaxilla</i> (Rich. & Bernard 1792)	Juriti-geme-deira																							
<i>Leptotila verreauxi</i> (Bonaparte 1855)	Juruti-pupu																							
<i>Patagioenas cayennensis</i> (Bonnaterre 1792)	Paulistinha																							
<i>Patagioenas picazuro</i> (Temminck 1813)	Asa-branca																							



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO

CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

<i>Patagioenas speciosa</i> (Gmelin 1789)	Troc a																		
<i>Urupelia campestris</i> (Spix 1825)	Rolinha vaqu eira																		
<i>Zenaida auriculata</i> (Des Murs 1847)	Avoante																		
CUCULIFORMES Wagler 1830																			
Cuculidae Leach 1820																			
Cuculinae Leach 1820																			
<i>Coccyzus euleri Cabanis 1873</i>	Papa lagart as-euler																		
Taxa Name	Popu lar name	B M L H	R I O I	B C T P	B R T V L	R I O II	B T M V R	B S M N N	R I O III	B C T G D	B J R V L	B B C N T	B E P C	B M O R RI	BM OR RO	B B C M G	BJ C R E		
<i>Coccyzus melacoryphus</i> (Vieillot 1817)	Papa - lagart as																		



<i>Piaya cayana</i> (Linnaeus 1766)	Alma de gato																						
<i>Piaya melanogaster</i> (Vieillot 1817)	Alma -de- gato																						
<i>Crotophaga</i> <i>aginae</i> Swains on 1837																							
<i>Crotophaga ani</i> (Linnaeus 1758)	Anu preto																						
<i>Crotophaga major</i> (Gmelin 1788)	Anu coroca																						
<i>Guira guira</i> (Gmelin 1788)	Anu Branco																						
<i>Taperinae</i> Verheyen 1956																							
<i>Dromococcys phasianellus</i> (Spix 1824)	Peixe -frito																						
<i>Tapera naevia</i> (Linnaeus 1766)	Saci																						
STRIGIFORMES																							



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

Wagler 1830																			
Strigida e Leach 1920																			
<i>Athene cunicula ria</i> (Molina 1782)	Coruja bura quiera																		
<i>Bubo virginianus</i> (Gmelin 1788)	João Muru cututu																		
<i>Glaucidium brasiliandum</i> (Gmelin 1788)	Cabu rezinho																		
<i>Megascops choliba</i> (Vieillot 1817)	Coruja inha- do- mato																		
<i>Pulsatrix perspicillata</i> (Latham 1790)	João Muru cututu																		
Tytonid ae Mathew s 1912																			
<i>Tyto furcata</i> (Scopoli 1769)	Suin dara																		
CAPRI MULGI FORME S Ridgwa y 1881																			



Caprimulgidae Vigors 1825																			
<i>Hydropsalis parvula</i> Gould, 1837	Bacurauziinho																		
<i>Antrostomus rufus</i> (Boddart, 1783)	João-corta-pau																		
<i>Nannochordeiles pusillus</i> (Gould, 1861)	Bacurauziinho																		
<i>Hydropsalis torquata</i> (Gmelin 1789)	Curia-ngo-tesoura																		
<i>Nyctidromus albicollis</i> (Gmelin 1789)	Bacurau																		
Taxa Name	Popular name	B M L H	I O I	R B C T P	B R T V L	I O II	B T M V R	S M N N	R I O III	B C T G D	B J R V L	B B C N T	B E P C	B B C N T	B M O R R	BM OR RO	B B C M G	BJ C R E	
<i>Nyctiprocne leucopyga</i> (Spix 1825)	Curia-ngo-preto																		
<i>Podager nacunda</i>	Corucação																		



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

# NÚCLEO DO CONHECIMENTO

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

(Vieillot 1817)														
NYCTIB IIFORM ES Yuriet al 2013														
Nyctibii dae Chenu & Des Murs 1851														
<i>Nyctibius</i> <i>grandis</i> (Gmelin 1789)	Uruta u ou mãe da lua													
<i>Nyctibius</i> <i>griseus</i> (Gmelin 1789)	Uruta u ou mãe da lua													
APODIF ORMES Peters 1940														
Apodida e Olphe- Galliard 1887														
<i>Chaeturia</i> <i>meridionalis</i> (Hellmayr 1907)	Andorinha o													
<i>Tachornis</i> <i>squamata</i> (Cassin 1853)	Anori nhão - tesou ra													
Trochili dae														



Vigors 1825																				
Trochili nae 1825																				
<i>Chiono mesa fimbriat a</i> (Gmelin , 1788)	Beija -flor- verde																			
<i>Anthrac othorax nigricollis</i> (Vieillot 1817)	Beija -flor- veste - preta																			
<i>Chlorost ilbon lucidus</i> (Shaw 1812)	Beso urinh o- verm elho																			
<i>Euptom ena macrour a</i> (Gmelin 1788)	Beija -flor- tesou ra																			
<i>Hylocari s crisura</i> (Shaw 1812)	Beija -flor- dour ado																			
Phaetho rnithina e Jardine, 1833																				
<i>Phaetor nis pretrei</i> (Lesson & Delatre 1839)	Limp a- casa																			
<i>Phaetor nis ruber</i>	Rabo - branc																			



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO

CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

(Linnaeus 1758)	o-rubro																		
TROGO NIFOR MES AOU 1886																			
Trogonidae Lesson 1828																			
<i>Trogon curucui</i> (Linnaeus 1766)	Suru cuá-vermelho																		
Taxa Name	Popular name	B M L H	R I O I	B B C T P	B R T V L	R I O II	B T M V R	B S M N	R I O III	B C T G D	B J R V L	B B C N T	B B C P C	B B M E P C	B M O R R I	BM OR RO	B B C M G	B B C R E	
CORACIFORMES Forbes 1844																			
Alcedinidae Rafinesque 1815																			
<i>Megacephala torquata</i> (Linnaeus 1766)	Martim-pescador																		
<i>Chloroceryle aenea</i> (Pallas 1764)	Martim-pescador anão																		
<i>Chloroceryle inda</i> (Linnaeus)	Martim-pescador																		



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

us 1766)	ador- mata																		
<i>Chloroceryle amazona</i> (Latham 1790)	Marti- m-pesc- ador-verde																		
<i>Chloroceryle americana</i> (Gmelin 1788)	Marti- m-pesc- ador-pequeno																		
<i>Momotidae</i> Gray 1840																			
<i>Momotus momota</i> (Linnaeus 1766)	Udu-de- coroa- -azul																		
GALBU LIFOR MES Furbring er 1888																			
<i>Galbulidae</i> Vigors 1825																			
<i>Galbularuficauda</i> (Cuvier 1816)	Bico-de- agulha																		
<i>Bucconidae</i> Horsfiel d 1821																			
<i>Monasainigrifrons</i> (Spix 1824)	Chor- a-chuv																		



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

	a-preto																			
<i>Nystalus chacuru</i> (Vieillot 1816)	João bobo																			
PICIFO RMES Meyer & Wolf 1810																				
Picidae Leach 1820																				
<i>Campephilus malanolaimucus</i> (Gmelin 1788)	Pica-pau-vermelho																			
<i>Celeus lugubris</i> (Malherbe 1851)	João-velho																			
<i>Colaptes melanochloros</i> (Gmelin 1788)	Pica-pau-verde																			
<i>Colaptes campesstris</i> (Vieillot 1818)	Pica-pau-do-campo																			
<i>Dryocopus lineatus</i> (Linnaeus 1766)	Pica-pau																			
<i>Melanerpes candidus</i>	Pica-pau-																			



s (Otto 1796)	branc o																					
Taxa Name	Popu lar name	B M L H	R I O I	B C T P	B R T V L	R I O II	B T M V R	B S M N N	R I O III	B C T G D	B J R V L	B B C N T	B E P C	B M O R RI	BM OR RO	B B C M G	B J C R E					
<i>Melaner pes cruentat us</i> (Bodda ert 1783)	Bene dito-testa-verm elha																					
<i>Piculus chrysoc hloros</i> (Vieillot 1818)	Pica-pau-dour ado-escur o																					
<i>Picum nus albusqu amatus</i> (D'Orbig 1840)	Pica-pau-anão - esca mado																					
<i>Venilior nis passeri nus</i> (Linnae us 1766)	Picap auzin ho-anão																					
<i>Ramph astidae</i> Vigors 1825																						
<i>Pteroglo sus castano tis</i> (Igould 1834)	Araç ari-casta nho																					
<i>Ramph astos toco</i> (Statius)	Tuca nuçu																					



Muller 1776)																			
FALCO NIFOR MES																			
Falconi dae Leach 1820																			
<i>Caracar a plancus</i> (Miller 1777)	Carc ará																		
<i>Falco deiroleu cus</i> Temmin ck 1825	falçã o-peito- laranj a																		
<i>Falco femoralis</i> Temmin ck 1822	falçã o-de- coleir a																		
<i>Falco rufigular is</i> Daudin 1800	gaviã o- carijó ,cauré																		
<i>Falco sparveri us</i> linnaeus 1758	Quiri quiri																		
<i>Herpeto theres cachinn ans</i> (Linnae us 1758)	Acau â, Pinh é																		
<i>Micrast ur semitor quatus</i>	Gavi ão relógi o																		



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO

CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

(Vielliot 1817)																				
<i>Milvago chimachima</i> (Vieillot 1816)	Gavião pinhé																			
PSITTA CIFOR MES Wagler 1830																				
Psittacidae Rafinesque 1815																				
<i>Amazona aestiva</i> (Linnaeus 1758)	Papa gaio verda deiro																			
<i>Amazona amazonica</i> (Linnaeus 1766)	Papa gaio trom beteir o																			
Taxa Name	Popular name	B M L H	R I O I	B B C T	B R T V L	R I O II	B T M V R	B S M N N	R I O III	B C T G D	B J R V L	B B C N T	B E P C	B M O R RI	BM OR RO	B B C M G	BJ C R E			
<i>Anodorhynchus hyacinthinus</i> (Lat 1790)	Arara una																			
<i>Ara ararauna</i> (Linnaeus 1758)	Arara Cani ndé																			



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO

CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

<i>Ara chloropterus</i> Gray 1859	Arara - vermelha																							
<i>Diopsittaca nobilis</i> (Linnaeus 1758)	Mara canã																							
<i>Eupsitta aurea</i> (Gmelin, 1788)	Nandaiá, periquito-rei																							
<i>Psittacula leucophthalmus</i> (Statius Muller, 1776)	Periquitão																							
<i>Brotogeris chiriri</i> (Vieillot 1818)	Periquito verde																							
<i>Forpus xanthopterygius</i> (Spix 1824)	Tuim																							
<i>Myopsitta monachus</i> (Boddaert 1783)	Periquito baroso																							
<i>Aratinga nenday</i> (Vieillot 1823)	Príncipe negro																							
<i>Pionus maximiliani</i>	Papagaio marron																							



(Kuhl 1820)																			
<i>Primoliu s auricollis</i> (Cassin 1853)	Mara canã de coleira																		
<i>Primoliu s maraca na</i> (Vieillot 1816)	Mara canã- verda deira																		
<i>Alipiopsi tta xanthop s</i> (Spix 1824)	Papa gaio- galego																		

Source: authors.Legend: BMLH: Lake Malheiros; RIOI: Paraguay River I; BBCTP: Lake Boca Tampada; BRTVL: Lake Retiro Velho; RIOII: Paraguay River II; BTMVR: Lake Toma Vara; BSMNN: Lake Simão Nunes; RIOIII: Paraguay River III; BCTGD: Lake Canto Grande; BJRVL: Lake Jauru Velho; BBCNT: Lake Natalino; BEPC: Lake Éguas/Paca; BMORRI: Lake Morrinhos; BMORRO: Lake Morro; BBCMG: Lake Miguel; BJCRC: Lake Jacaré.

#### 4. CONCLUSION

The biggest richness were observed on the plain region, also for river and lakes, followed by meandric river and in the streight part was registered the small number of species, before it was big when compared with other regions of Mato Grosso.

The study area are very important for the bird conservation, because of its diversity of habitats for birds species and not only because of the number of registered species but also for the amount of each.

The area is important for the bird conservation, and for tourism, mainly birdwatching, due to "ninal" nursery presence, this area need more attention from the local people and government.



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

The number of species identified proves the importance of the place for the birds life.

## ACKNOWLEDGMENTS

I thank everyone who directly and indirectly assisted in this research, to FAPEMAT, Research Support Fund of the state of Mato Grosso for financial support with the financing of the project “Avifauna do Rio Paraguai, Pantanal de Cáceres – MT”.

## REFERENCES

BRASIL. Ministério das Minas e Energia. **Projeto RadamBrasil**: levantamento de recursos naturais: SD.21 Cuiabá. Rio de Janeiro: DNPM/Projeto RadamBrasil; MME/SG/Projeto RadamBrasil, 1982.

BRASIL. Programa Nacional do Meio Ambiente. **Plano de Conservação da Bacia do Alto Paraguai (Pantanal)**: diagnóstico dos meios físico e biótico: meio biótico. Brasília: O Programa, 1997.

ENDRIGO, E.; PIVATTO, M. A. C., BERNARDON, G. **Aves do Pantanal**: guia fotográfico. São Paulo: Aves e Fotos, 2012.

FARIAS, T. N. et al. Avifauna associada a área de preservação permanente urbana de Tangará da Serra - MT. **Enciclopédia Biosfera**, v.11, n.22, p.2945, 2015.

FROTA, A. V. B. et al. Birds of the Ramsar site Estação Ecológica de Taiama and buffer zone, Pantanal wetlands, Brazil. **Check List**, v.16, n.2, p.401-422, 2020a. DOI: 10.15560/16.2.401.

FROTA, A. V. B. et al. Bird community structure in macrohabitats of the aquaticterrestrial transition zone in the Pantanal Wetland, Brazil. **Oecologia Australis**, v. 24, n. 3, p. 615-634, 2020b. DOI://doi.org/10.4257/oeco.2020.2403.07.

JUNK, W. F.; BAYLEY, P. B.; SPARKS, R. E. The flood pulse concept in river floodplains. **Canadian Special Publication of Fisheries and Aquatic Sciences**, v. 106, n. 1, p. 110-127, 1989.

NUNES A. P.; TOMAS, W. M. Análise preliminar das relações biogeográficas da avifauna do Pantanal com biomas adjacentes. In: **Anais do IV simpósio sobre recursos naturais e sócio econômicos do Pantanal Corumbá**, 2004.



NUNES, A. P.; TOMAS, W. M.; TICIANELI, F. A. T. **Aves da Fazenda Nhumirim, Pantanal de Nhecolândia, M. S.** Corumbá: Embrapa Pantanal, 2005.

NUNES, J. R. S. *et al.* Distribuição de frequência de habitats por aves aquáticas piscívoras do Lago Camaleão, Ilha da Marchantaria, AM. In: ZUANON, J.; VENTICINE, E. **Ecologia da Floresta Amazônica**: curso de campo. Manaus: Editora INPA, 2000.

NUNES, J. R. S. *et al.* Limnologia e biodiversidade aquática na fronteira Brasil - Bolívia. In: SILVA, C. J. da *et al.* **ABC do Guaporé**. Cuiabá: Unemat; Cáceres: Entrelinhas, 2018.

NUNES, J. R. da S. *et al.* Mudança na composição de assembleia de aves aquáticas associadas com mudanças no nível de água em uma zona de transição terrestre aquática no Pantanal de Mato Grosso, Brasil. **Research, Society and Development**, v. 9, n.10, p. e4479108555, 2020a. DOI: <https://doi.org/10.33448/rsd-v9i10.8555>.

NUNES, J. R. da S. *et al.* Bases sócio ambientais para o ecoturismo do sítio Ramsar Parque Nacional do Pantanal associado a comunidades tradicionais do seu entorno. In: SILVA, C. J.; GUARIM NETO, G. **Comunidades tradicionais do Pantanal**. Cuiabá: Unemat; Cáceres: Entrelinhas, 2020b.

NUNES, J. R. S.; SILVA, C. J. da; DIAS FILHO, M. M. Ocorrência e abundância de Falconiformes no rio Paraguai, Pantanal de Cáceres, MT, Brasil. In: SANTOS, J. E.; SILVA, C. J. da; MOSCHINI, L. E. **Paisagem, biodiversidade e cultura**. São Carlos: Rima Editora, 2012, p.353-374.

NUNES, J. R. S.; SILVA; C. J. da; FERRAZ, L. Mato Grosso e seus biomas: biodiversidade, desafios socioambientais, unidades de conservação, iniciativas de políticas públicas e privadas para a conservação. **Revista Gestão Universitária**, v. 07, 2017.

NUNES, J. R. S.; SILVEIRA, R. A.; SILVA, C. J. da. Avifauna do Rio Cuiabá e do Sistema de Baías Chacororé - Sinhá Mariana. In: Silva, C. J. da; SIMONI, J. **Água, biodiversidade e cultura do Pantanal**. Cuiabá: Carlini e Caniato Editorial; Editora Unemat, 2012.

**OLSON, D. et al.** **Freshwater Biodiversity of Latin America and the Caribbean: conservation assessment. Biodiversity Support Program, p.70, 1998.**

**PESSOA, S.P. et al.** A influência da cobertura vegetal na distribuição e composição da avifauna na interbacia do rio Paraguai médio, Mato Grosso, Brasil. **Enciclopédia Biosfera**, v.10, n.18, p.14. 2013.



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

**NÚCLEO DO CONHECIMENTO**

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

QUEIROZ, R. F. N. de *et al.* Changes in the structure of bird communities over 10 years in the Ecological Corridor of Paraguay River, Pantanal wetland. **Revista Ibero Americana de Ciências Ambientais**, v.12, n.3, p.111-125, 2021. DOI: <http://doi.org/10.6008/CBPC2179-6858.2021.003.0011>.

SICK, H. **Ornitologia Brasileira**. Nova Fronteira: Rio de Janeiro, 1997.

SILVA, C. J. *et al.* Biodiversity and its drivers and pressures of change in the wetlands of the Upper Paraguay-Guapore Ecotone, MatoGrosso (Brazil). **Land Use Policy**, v. 47, p. 163–178, 2015. DOI: [10.1016/j.landusepol.2015.04.004](https://doi.org/10.1016/j.landusepol.2015.04.004)

SILVA, C. J. Ecological basis for the management of the Pantanal - Upper Paraguay River Basin. In: SMITS, A. J. M.; NIENHUIS, P.; LEUVEN, R.S.E.W. **New Approaches to River Management**. Leiden: Backhuys, 2000, p. 97-117.

SEIDL, A. F.; SILVA, J.S.V.; MORAES, A.S. Cattle ranching and deforestation in the Brazilian Pantanal. **Ecological economics**, v. 36, n. 3, p. 413-425, 2001.

STRAUBE, F.C.; PIVATTO, M. A. C. O Pantanal do Mato Grosso do Sul: destino para a observação de aves. **Atualidades Ornitológicas On-line**, n. 167, p. 33-50, 2012.

TUBELIS, D. P.; TOMAS, W. M. Birds species of the Pantanal wetland, Brazil. **Ararajuba**, v.11, n.1, p. 5-37, 2003.

VITORINO, B. D. *et al.* Avifauna associada a duas áreas de nascentes no Assentamento Laranjeiras I, Província Serrana, Cáceres - Mato Grosso. In: CASTRILLON, S. K. I.; PUHL, J. I.; LEÃO, D. da S. **Águas escassas no Pantanal: recuperação das nascentes e fragmentos de mata ciliar do córrego no Assentamento Laranjeira I e mobilização para conservação dos recursos hídricos no Pantanal mato-grossense**. Cuiabá: Carlini & Caniato Editorial, 2017.

VITORINO, B. D. *et al.* Birds of Estação Ecológica da Serra das Araras, state of Mato Grosso, Brazil: additions and review. **Check List**, v.14, n. 5, p.893-922, 2018. DOI: <https://doi.org/10.15560/14.5.893>.



MULTIDISCIPLINARY SCIENTIFIC JOURNAL

NÚCLEO DO  
CONHECIMENTO

REVISTA CIENTÍFICA MULTIDISCIPLINAR NÚCLEO DO

CONHECIMENTO ISSN: 2448-0959

<https://www.nucleodoconhecimento.com.br>

Sent: January, 2023.

Approved: February, 2023.

---

<sup>1</sup> Doctor. ORCID: 0000-0003-3927-5063. LATTES CURRICULUM:  
<http://lattes.cnpq.br/3292016056510295>.

<sup>2</sup> Doctor. ORCID: 0000-0003-0517-1661. LATTES CURRICULUM:  
<http://lattes.cnpq.br/5253872582067659>.

<sup>3</sup> Doctor. ORCID: 0000-0003-0726-7069. LATTES CURRICULUM:  
<http://lattes.cnpq.br/1346547036069954>.