

A CATALOGUE OF THE AMPHIBIANS COLLECTION IN THE OLTENIA MUSEUM

ALEXANDRU Anca

Abstract. The publication of the catalogues of museum collections makes a significant contribution to scientific research work, based on which wider themes on the zoogeographic distribution of fauna complexes can be addressed. The collection of amphibians from the patrimony of the Department of Natural Sciences contains 832 specimens belonging to 15 species, grouped in 2 orders and 6 families. Established over several decades, starting with 1975, the first records were made, resulting from the donation of the closed collection of Constantina Sorescu, acquisitions and collections of land. The creation of this catalogue is an efficient means for raising the specialists' awareness of this group of organisms, considering that a number of 6 species are vulnerable and one species is endangered in the fauna of Romania.

Keywords: amphibians, vulnerable species, conservation status, Romania.

Rezumat. Catalogul colecției de amfibieni din Muzeul Olteniei. Publicarea cataloagelor unor colecții muzeale aduce o contribuție însemnată în munca de cercetare științifică, pe baza lor putându-se aborda teme mai ample privind repartiția zoogeografică a complexelor faunistice. Colecția de amfibieni din patrimoniul Secției de Științele Naturii conține 832 exemplare aparținând la 15 specii, grupate în 2 ordine și 6 familii. Constituită pe parcursul mai multor decenii, începând din 1975 s-au făcut primele înregistrări, rezultate din donația colecției închise Constantina Sorescu, achiziții și colectări de teren. Realizarea acestui catalog constituie un mijloc eficient de cunoaștere a acestui grup de organisme de către specialiști, având în vedere că un număr de 6 specii sunt vulnerabile și o specie este periclitată în fauna României.

Cuvinte cheie: amfibieni, specii vulnerabile, stare de conservare, România.

INTRODUCTION

The patrimony of the Department of Natural Sciences was established over several decades through donations, acquisitions, exchanges, but especially through the collection activity carried out by the specialists of the section, carried out in different biogeographical areas and includes about 114,000 museum pieces preserved in several collections (CIOBOIU, 2004).

The Herpetology Collection comprises 1,114 heritage pieces belonging to the Amphibia and Reptilia classes, of which 832 amphibians belonging to two orders and 6 families, respectively 282 reptiles belonging to two orders and 8 families, organized in two collections, the C. Sorescu collection and the Museum collection, represented by wet pieces, naturalized pieces and moulds.

The collection was formed by collections from the field in the Oltenia area made by specialists of the section, donations (including the C. Sorescu, closed collection) and by acquisition.

The first collections were made in 1958, and the first acquisitions were made in 1960, and the pieces will be registered in the General Inventory Register (RIG) starting with 1975. It is a collection of scientific importance for specialists in the field, but also with an educational purpose, being used in various temporary exhibitions.

Some of the naturalized pieces and some moulds are exhibited in the basic exhibition "Ecosystems of Oltenia" of the Department of Natural Sciences.

The purpose of this work is to popularize the amphibian species present in the herpetology collection of the section, but also as a scientific material for comparison in determining and verifying future pieces having entered the museum patrimony.

MATERIALS AND METHODS

For the elaboration of the paper, we used the material held in the patrimony of the section and determined by the specialists in the field, as well as data presented in the literature (BOTNARIUC & TATOLE, 2005; FUHN, 1960).

RESULTS AND DISCUSSIONS

The purpose of this catalogue is to include in the specialized information circuit the data accumulated over the years regarding the collection of amphibians, a reference parameter aimed at the spread of these species in Oltenia and implicitly Romania.

According to the updated data from the Fauna Europaea, European Red List of Amphibia, the Red Book of Vertebrates of Romania, we present a systematic compilation of the 832 specimens belonging to 15 species, grouped in 2 orders and 6 families, mentioning the place and year of collection and with a good conservation status (***. Fauna Europaea, 2014; ***. IUCN, 2022).

SYSTEMATIC INDEX

PHYLUM CHORDATA Haeckel 1874

CLASS AMFIBIA Gray 1825

Order Caudata (Urodela) Fischer von Waldheim 1813 (Duméril 1806)

Fam. Salamandridae Goldfuss, 1820

Salamandra salamandra (Linnaeus 1758)

- inv. no. 3822 – mold, 1 ex., acquisition, 1961, old inv. no. 14982
- inv. no. 3948 – naturalized piece, 1 ex., Munții Apuseni, 1960, old inv. no. 15111
- inv. no. 7269 – wet piece, 1 ex., Tismana, Gorj, 1979
- inv. no. 7270 – wet piece, 1 ex., Tismana, Gorj, 1979
- inv. no. 17648 – wet piece, 1 ex., donation C. Sorescu
- inv. no. 42771 – wet piece, 1 ex., Racovița, Vâlcea, 1997
- inv. no. 42774 – wet piece, 1 ex., Racovița, Vâlcea, 1998
- inv. no. 44591 – wet piece, 1 ex., Cheile Jiețului Parâng Hunedoara, 1999
- inv. no. 44592 – wet piece, 1 ex., Cheile Jiețului Parâng Hunedoara, 1999

Triturus cristatus (Laurenti 1768)

- inv. no. 3829 – mold, 2 ex., acquisition, 1961, old inv. no. 14989
- inv. no. 3949 – naturalized piece, 1 ex., Cluj, 1960, old inv. no. 15112
- inv. no. 4523 – wet piece, 3 ex., Ceramica Mofleni, 1966, old inv. no. 17509
- inv. no. 4524 – wet piece, 2 ex., Baia de Fier, 1965, old inv. no. 17510
- inv. no. 4917 – wet piece, 1 ex., Craiova, 1969, old inv. no. 18375
- inv. no. 4918 – wet piece, 1 ex., Craiova, 1968, old inv. no. 18376
- inv. no. 4919 – wet piece, 1 ex., Craiova, 1968, old inv. no. 18377
- inv. no. 4920 – wet piece, 2 ex., Filiași, 1966, old inv. no. 18378
- inv. no. 17645 – 17647 – wet piece, 3 ex., donation C. Sorescu
- inv. no. 54772 – wet piece, 1 ex., Câmpulung, Argeș, 2007

Lissotriton vulgaris (Linnaeus 1758) syn. *Triturus vulgaris*

- inv. no. 4915 – wet piece, 3 ex., Bîrza, Olt, 1967, old inv. no. 18373
- inv. no. 4916 – wet piece, 2 ex., Budieni, 1966, old inv. no. 18374

Order Anura (Duméril 1801)

Fam. Discoglossidae (Günther 1858)

Bombina bombina (Linnaeus 1761)

- inv. no. 4511 – wet piece, 19 ex., Balta Marcu Popii, 1966, old inv. no. 17497
- inv. no. 4513 – wet piece, 1 ex., Craiova, 1965, old inv. no. 17499
- inv. no. 4910 – wet piece, 1 ex., Filiași, 1967, old inv. no. 18368
- inv. no. 4911 – wet piece, 6 ex., Ciuperceni, Balta Jdeglă, 1968, old inv. no. 18369
- inv. no. 4912 – wet piece, 25 ex., Craiova, 1967, old inv. no. 18370
- inv. no. 4995 – wet piece, 14 ex., Balta Amărăști, 1970, old inv. no. 19808
- inv. no. 4997 – wet piece, 1 ex., Radovan, 1970, old inv. no. 19810
- inv. no. 5275 – wet piece, 4 ex., Fărcaș, Dolj, 1971, old inv. no. 20840
- inv. no. 5809 – wet piece, 3 ex., Gighera, Dolj, 1976
- inv. no. 6605 – wet piece, 1 ex., Ciuperceni, Balta Manginița, 1976
- inv. no. 17649- 17693 – wet piece, 45 ex., donation C. Sorescu, Cârcea, 1975

Bombina variegata (Linnaeus 1758)

- inv. no. 4512 – wet piece, 5 ex., Baia de Aramă, 1966, old inv. no. 17498
- inv. no. 4514 – wet piece, 8 ex., Vârciorova, 1966, old inv. no. 17500
- inv. no. 4515 – wet piece, 6 ex., Baia de Fier, 1966, old inv. no. 17501
- inv. no. 4909 – wet piece, 4 ex., Căpreni, 1967, old inv. no. 18367
- inv. no. 4947 – wet piece, 6 ex., Amărăștii de Jos, 1969, old inv. no. 18435
- inv. no. 4964 – wet piece, 8 ex., Runcu, 1969, old inv. no. 18582
- inv. no. 4996 – wet piece, 9 ex., Tismana, Gorj, 1970, old inv. no. 19809
- inv. no. 5806 – wet piece, 5 ex., Runcu, 1976
- inv. no. 5807 – wet piece, 8 ex., Runcu, 1976
- inv. no. 6534 – wet piece, 8 ex., Bistrița, Vâlcea, 1976
- inv. no. 6609 – wet piece, 4 ex., Tg. Logrești, Gorj, 1975
- inv. no. 6610 – wet piece, 1 ex., Begaia, Mehedinți, 1973
- inv. no. 7276 – wet piece, 2 ex., Budieni, Scoarța, Gorj, 1979
- inv. no. 17694 – 17750 – wet piece, 57 ex., donation C. Sorescu, Gorj, 1972
- inv. no. 52449 – wet piece, 1 ex., Salcia, Mehedinți, 2001
- inv. no. 52452 – wet piece, 1 ex., Sohodol, 2005

- inv. no. 54770 – wet piece, 1 ex., Caraula, Dolj, 2006

Fam. Pelobatidae (Boulenger 1882)

Pelobates fuscus (Laurenti 1768)

- inv. no. 17919 – wet piece, 1 ex., donation C. Sorescu
- inv. no. 17920 – wet piece, 1 ex., donation C. Sorescu

Fam. Bufonidae (Hogg 1841)

Bufo bufo (Linnaeus 1758)

- inv. no. 3951 – naturalized piece, acquisition, 1960, 1 ex., old inv. no. 15114
- inv. no. 3952 – naturalized piece, acquisition, 1960, 1 ex., old inv. no. 14115
- inv. no. 4519 – wet piece, 1 ex., Rânca, 1966, old inv. no. 17505
- inv. no. 4986 – wet piece, 1 ex., Tismana, Gorj, 1970, old inv. no. 19799
- inv. no. 4987 – wet piece, 1 ex., Tismana, Gorj, 1970, old inv. no. 19800
- inv. no. 5274 – wet piece, 1 ex., Licurici, Gorj, 1971, old inv. no. 20839
- inv. no. 7260 – wet piece, 4 ex., Scoarța, Budieni, Gorj, 1979
- inv. no. 17916- 17918 – wet piece, 3 ex., donation C. Sorescu

Bufo viridis (Laurenti 1768)

- inv. no. 3828 – mold, 1 ex., acquisition, 1961, old inv. no. 14988
- inv. no. 4903 – wet piece, 5 ex., Bârza, Olt, 1967, old inv. no. 18361
- inv. no. 4914 – wet piece, 4 ex., Craiova, 1967, old inv. no. 18372
- inv. no. 4941 – wet piece, 3 ex., Bistreț, Dolj, 1969, old inv. no. 18429
- inv. no. 4944 – wet piece, 6 ex., Amărăștii de Jos, 1969, old inv. no. 18432
- inv. no. 4945 – wet piece, 1 ex., Amărăștii de Jos, 1969, old inv. no. 18433
- inv. no. 4988 – wet piece, 1 ex., Parcul Poporului, 1970, old inv. no. 19801
- inv. no. 4989 – wet piece, 2 ex., Craiova, 1970, old inv. no. 19802
- inv. no. 4990 – wet piece, 1 ex., Radovan, 1970, old inv. no. 19803
- inv. no. 4991 – wet piece, 1 ex., Radovan, 1970, old inv. no. 19804
- inv. no. 5369 – wet piece, 1 ex., Ciuperceni, 1972, old inv. no. 30552
- inv. no. 6536 – wet piece, 1 ex., Curtișoara, Gorj, 1975
- inv. no. 6540 – wet piece, 1 ex., Valea Stanciului, Dolj, 1974
- inv. no. 6612 – wet piece, 1 ex., Craiova, Dolj, 1974
- inv. no. 7278 – wet piece, 4 ex., Bălănești, Gorj, Balta Pietroasa, 1979
- inv. no. 7279 – wet piece, 2 ex., Negoști, Dolj, 1979
- inv. no. 7407 – wet piece, 1 ex., Podari, Dolj, 1975
- inv. no. 17890- 17915 – wet piece, 26 ex., donation C. Sorescu, Adunații de Geormane, 1971
- inv. no. 52450 – wet piece, 1 ex., Desa, Dolj, 2005
- inv. no. 54765 – wet piece, 1 ex., Balta Cilieni, Băilești, Dolj, 2006
- inv. no. 54766 – wet piece, 1 ex., Balta Cilieni, Băilești, Dolj, 2006
- inv. no. 54767 – wet piece, 1 ex., Balta Cilieni, Băilești, Dolj, 2006

Fam. Hylidae (Günther 1858)

Hyla arborea (Linnaeus 1758)

- inv. no. 3823 – mold, 1 ex., acquisition, 1961, old inv. no. 14983
- inv. no. 3950 – naturalized piece, 1 ex., Cluj, 1960, old inv. no. 15113
- inv. no. 4520 – wet piece, 1 ex., Făcăi, Preajba, 1966, old inv. no. 17506
- inv. no. 4521 – wet piece, 2 ex., Mănăstirea Jitianu, 1965, old inv. no. 17507
- inv. no. 4522 – wet piece, 1 ex., Ceramica Mofleni, 1966, old inv. no. 17508
- inv. no. 4940 – wet piece, 2 ex., Bistreț, Dolj, 1969, old inv. no. 18428
- inv. no. 4943 – wet piece, 34 ex., Amărăștii de Jos, 1969, old inv. no. 18431
- inv. no. 4965 – wet piece, 2 ex., Parcul Poporului, Craiova, 1969, old inv. no. 18583
- inv. no. 7261 – wet piece, 1 ex., Negoști, Dolj, 1979
- inv. no. 7262 – wet piece, 1 ex., Negoști, Dolj, 1979
- inv. no. 7263 – wet piece, 1 ex., Negoști, Dolj, 1979
- inv. no. 7264 – wet piece, 1 ex., Negoști, Dolj, 1979
- inv. no. 17751- 17770 – wet piece, 20 ex., donation C. Sorescu, Parcul Poporului, 1972
- inv. no. 42782- 42796 – wet piece, 15 ex., Negoii, Dolj, 1997
- inv. no. 52438 – wet piece, 1 ex., Bistreț, Dolj, 2005
- inv. no. 52439 – wet piece, 1 ex., Ocnele Mari, Vâlcea, 2002
- inv. no. 52440 – wet piece, 1 ex., Balta Craiovița, 2005
- inv. no. 52441 – wet piece, 1 ex., Negoii, Dolj, 2005
- inv. no. 52442 – wet piece, 1 ex., Salcia, Mehedinți, 2001
- inv. no. 52443 – wet piece, 1 ex., Parc, Dolj, 2003
- inv. no. 52444 – wet piece, 1 ex., Ocnele Mari, Vâlcea, 2002

- inv. no. 52445 – wet piece, 1 ex., Ocnele Mari, Vâlcea, 2002
- inv. no. 52446 – wet piece, 1 ex., Ocnele Mari, Vâlcea, 2002
- inv. no. 52447 – wet piece, 1 ex., Ocnele Mari, Vâlcea, 2002
- inv. no. 53657 – wet piece, 1 ex., Ocnele Mari, Vâlcea, 2002
- inv. no. 53658 – wet piece, 1 ex., Ocnele Mari, Vâlcea, 2002
- inv. no. 54768 – wet piece, 1 ex., Negoii, Dolj, 2006
- inv. no. 54769 – wet piece, 1 ex., Negoii, Dolj, 2006

Fam. Ranidae (Bonaparte 1845)

Pelophylax esculentus (Linnaeus 1758) syn. *Rana esculenta*

- inv. no. 186 – wet piece, developing embryo, old inv. no. 327/1635
- inv. no. 3824 – mold, 1 ex., acquisition, 1961, old inv. no. 14984
- inv. no. 3825 – mold, 1 ex., acquisition, 1961, old inv. no. 14985
- inv. no. 3946 – naturalized piece, 1 ex., Cluj, 1960, old inv. no. 15109
- inv. no. 3947 – naturalized piece, 1 ex., Cluj, 1960, old inv. no. 15110
- inv. no. 5370 – wet piece, 10 ex., Ciuperceni, 1972, old inv. no. 30553
- inv. no. 6607 – wet piece, 4 ex., Bălănești, Gorj, 1977
- inv. no. 6608 – wet piece, 1 ex., Tg. Logrești, Gorj, 1975
- inv. no. 6611 – wet piece, 3 ex., Făget, Breasta, Dolj, 1976
- inv. no. 7265 – wet piece, 3 ex., Ciuperceni, Balta Arceru, 1979
- inv. no. 7266 – wet piece, 3 ex., Ciuperceni, Balta Arceru, 1979
- inv. no. 7267 – wet piece, 3 ex., Ciuperceni, Balta Arceru, 1979
- inv. no. 7268 – wet piece, 1 ex., Gr. Botanică, Craiova, Dolj, 1979
- inv. no. 7271 – wet piece, 4 ex., Ciuperceni, Balta Arceru, 1979
- inv. no. 7410 – wet piece, 2 ex., Soceni, Dolj, 1980
- inv. no. 7414 – wet piece, 10 ex., Ciuperceni, 1980
- inv. no. 17771-17850 – wet piece, 80 ex., donation C. Sorescu, Parcul Poporului, Craiova
- inv. no. 52448 – wet piece, 1 ex., Desa, Dolj, 2005
- inv. no. 52451 – wet piece, 1 ex., Desa, Dolj, 2005

Pelophylax ridibundus (Pallas 1771) syn. *Rana ridibunda*

- inv. no. 4501 – wet piece, 4 ex., Balta Ceramica Mofleni, 1966, old inv. no. 17487
- inv. no. 4502 – wet piece, 2 ex., Balta Craiovița, 1966, old inv. no. 17488
- inv. no. 4503 – wet piece, 1 ex., Parcul Poporului, 1960, old inv. no. 17489
- inv. no. 4504 – wet piece, 5 ex., Balta Dunăreni, Dolj, 1966, old inv. no. 17490
- inv. no. 4505 – wet piece, 11 ex., Balta Marcu Popii, Mofleni, 1966, old inv. no. 17491
- inv. no. 4506 – wet piece, 2 ex., Balta Ceramica Mofleni, 1966, old inv. no. 17492
- inv. no. 4507 – wet piece, 3 ex., Balta Bistreț, 1966, old inv. no. 17493
- inv. no. 4508 – wet piece, 2 ex., Balta Bistreț, 1966, old inv. no. 17494
- inv. no. 4509 – wet piece, 1 ex., Balta Ceramica Mofleni, 1966, old inv. no. 17495
- inv. no. 4510 – wet piece, 1 ex., Balta Ceramica Mofleni, 1966, old inv. no. 17496
- inv. no. 4525 – wet piece, 2 ex., Balta Ceramica Mofleni, 1966, old inv. no. 17511
- inv. no. 4526 – wet piece, 3 ex., Țepești, Vâlcea, 1966, old inv. no. 17512
- inv. no. 4904 – wet piece, 2 ex., Bârza, Olt, 1967, old inv. no. 18362
- inv. no. 4905 – wet piece, 5 ex., Bistrețu, 1968, old inv. no. 18363
- inv. no. 4906 – wet piece, 2 ex., Ciuperceni, Balta Arceru, 1968, old inv. no. 18364
- inv. no. 4907 – wet piece, 10 ex., Filiași, 1967, old inv. no. 18365
- inv. no. 4908 – wet piece, 2 ex., Terpezița, 1968, old inv. no. 18366
- inv. no. 4942 – wet piece, 7 ex., Bistreț, Dolj, 1969, old inv. no. 18430
- inv. no. 4961 – wet piece, 2 ex., Filiași, 1967, old inv. no. 18579
- inv. no. 4962 – wet piece, 10 ex., Făcăi, Preajba, 1966, old inv. no. 18580
- inv. no. 4963 – wet piece, 2 ex., Șimnicul de Jos, 1968, old inv. no. 18581
- inv. no. 4966 – wet piece, 3 ex., Parcul Poporului, Craiova, 1969, old inv. no. 18584
- inv. no. 4992 – wet piece, 2 ex., Radovan, Dolj, 1970, old inv. no. 19805
- inv. no. 4993 – wet piece, 1 ex., Ișalnița, Dolj, 1970, old inv. no. 19806
- inv. no. 4994 – wet piece, 1 ex., Balta Craiovița, 1970, old inv. no. 19807
- inv. no. 4998 – wet piece, 11 ex., Amărăști, Dolj, 1970, old inv. no. 19811
- inv. no. 5272 – wet piece, 18 ex., Fărcaș, 1971, old inv. no. 20837
- inv. no. 5273 – wet piece, 3 ex., Craiova, 1971, old inv. no. 20838
- inv. no. 5808 – wet piece, 2 ex., Gighera, Dolj, 1976
- inv. no. 5810 – wet piece, 4 ex., Zegaia, Mehedinți, 1973
- inv. no. 6533 – wet piece, 2 ex., Goicea, Dolj, 1974
- inv. no. 6535 – wet piece, 1 ex., Dănciulești, Gorj, 1974

- inv. no. 6537 – wet piece, 2 ex., Radovan, Fântânele, 1973
- inv. no. 6538 – wet piece, 4 ex., Valea Stanciului, Dolj, 1974
- inv. no. 6539 – wet piece, 1 ex., Craiova, 1975
- inv. no. 6606 – wet piece, 7 ex., Ciuperceni, Balta Manginița, Dolj, 1976
- inv. no. 7272 – wet piece, 1 ex., Ciuperceni, Balta Arceru, 1979
- inv. no. 7273 – wet piece, 2 ex., Ciuperceni, Balta Arceru, 1979
- inv. no. 7274 – wet piece, 2 ex., Ciuperceni, Balta Arceru, 1979
- inv. no. 7277 – wet piece, 2 ex., Drăgoeni, Gorj, 1979
- inv. no. 7411 – wet piece, 1 ex., Soceni, Dolj, 1980
- inv. no. 17851 – wet piece, 1 ex., donation C. Sorescu
- inv. no. 42770 – wet piece, 1 ex., Negoii, Dolj, 1997
- Rana temporaria* (Linnaeus 1758)
- inv. no. 4516 – wet piece, 1 ex., Rânca, Vârful Păpușa, 1966, old inv. no. 17502
- inv. no. 4517 – wet piece, 1 ex., Rânca, Vârful Păpușa, 1966, old inv. no. 17503
- inv. no. 4518 – wet piece, 1 ex., Baia de Fier, 1966, old inv. no. 17504
- inv. no. 6532 – wet piece, 9 ex., Rânca, Gorj, 1976
- inv. no. 7408 – wet piece, 1 ex., Rânca, Gorj, 1980
- inv. no. 7409 – wet piece, 25 ex., Rânca, Gorj, 1980
- inv. no. 7413 – wet piece, 1 ex., Rânca, Gorj, 1980
- inv. no. 17852- 17877 – wet piece, 26 ex., donation C. Sorescu, Rânca, Gorj, 1976
- inv. no. 54771 – wet piece, 1 ex., Tismana, Gorj, 2006
- Rana dalmatina* (Bonaparte 1839)
- inv. no. 6613 – wet piece, 3 ex., Budieni, Gorj, 1977
- inv. no. 7275 – wet piece, 1 ex., Budieni, Scoarța, Gorj, 1979
- inv. no. 7412 – wet piece, 1 ex., Budieni, Gorj, 1980
- inv. no. 17878- 17889 – wet piece, 12 ex., donation C. Sorescu, Gorj, 1971
- inv. no. 52453 – wet piece, 1 ex., Parc, Dolj, 2003
- Rana arvalis* (Nilsson 1842)
- inv. no. 4913 – wet piece, 1 ex., Mehedinți, 1967, old inv. no. 18371
- inv. no. 7280 – wet piece, 2 ex., Brad, Racovița, Vâlcea, 1979

The following is a reference to the ecological characteristics and conservation status of the species in the collection, most of which are vulnerable, endangered or threatened with extinction (COGĂLNICEANU, 2002; TOROK et al., 2013).

Salamandra salamandra lives in the hill and mountain regions, starting from 200 m altitude in deciduous and coniferous forests, most commonly found near streams and springs, in moist places and moss carpets, where it generally leads a nocturnal life. It is included as a vulnerable species in the “Red Book of Vertebrates of Romania”.

Triturus cristatus lives in large pools with lush vegetation and outside the breeding period prefers nearby wet shores and portions, some specimens remaining year-round in the water. It is included as a vulnerable species in the “Red Book of Vertebrates of Romania”. The status at the EU level is a little worrying.

Triturus vulgaris is a eurytopic species that can be found in lakes, puddles, water lines, small puddles and ditches, starting from 0 to 1000 m altitude. It is listed as almost threatened in the “Red Book of Vertebrates of Romania”. The status at the EU level is a little worrying.

Bombina orientalis is a diurnal species and is found around large or small, permanent or temporary standing pools (lakes, ponds, smooth streams of water, ponds and ditches, ponds). The upper limit of altitude is 400 m. It is listed as almost threatened in the “Red Book of Vertebrates of Romania”. The status at the EU level is a little worrying.

Bombina orientalis lives like *Bombina orientalis* in any water accumulation but can also support anthropogenic habitats, artificial pools, even polluted puddles, without vegetation. It is located between 150 and 2000 m altitude, near the lower limit of the distribution meeting with the related species *Bombina orientalis*, with which it can occasionally hybrid. It is included as an almost threatened species in the “Red Book of Vertebrates of Romania”. The status at the EU level is a little worrying.

Pelobates fuscus is a digger species that prefers loose, sandy or clay soils, where it stays buried 30-50 cm for most of its existence, entering the water only during the reproductive period. It is found between 0 and 500 m altitude and leads a nocturnal life. It is included as an almost threatened species in the “Red Book of Vertebrates of Romania”. The status at the EU level is a little worrying.

Bufo bufo is a terrestrial species, cold-resistant, slightly pretentious but with a manifestation of hygrophilia; it leads a crepuscular life. It lives in forests, plains, crops, gardens, at altitudes between 0 and 1200 m. It is included as an almost threatened species in the “Red Book of Vertebrates of Romania”.

Bufo viridis more prevalent than *Bufo bufo*, having a better adaptation to the lack of moisture and even salinity. It lives in steppe, rocky, sandy regions, but also in marshes, forests, lows, from 0 to 1200 m altitude. It lives a terrestrial, twilight-nocturnal life. It is included as an almost threatened species in the “Red Book of Vertebrates of Romania”. The status at the EU level is a little worrying.

Hyla arborea is an arboreal species, living in forests, areas with bushes and reeds, preferring places crossed by waters. It is found from 0 to 1000 m altitude. It is listed as a vulnerable species in “The Red Book of Vertebrates in Romania”. The status at the EU level is a little worrying.

Rana esculenta is a species with an aquatic lifestyle. It lives in lakes, permanent and temporary puddles, and in flowing waters. It is found in all regions of the country and climbs to high altitudes, compared to *Rana ridibunda*. The status at the EU level is a little worrying.

Rana ridibunda is a species with a diurnal and almost exclusively aquatic lifestyle living in lakes, permanent or temporary puddles and streams. It is present in the lowland and hill areas, with the maximum altitude being 800 m. The status at the EU level is a little worrying.

Rana temporaria has a partially aquatic and partly terrestrial way of life. It is found between 200 and 2000 m altitude, in deciduous and coniferous forests, wet pastures, alpine meadows, hay meadows. It is dependent on a high degree of humidity. It is included as an almost threatened species in the “Red Book of Vertebrates of Romania” The status at the EU level is a little worrying.

CONCLUSIONS

The collection of amphibians from the patrimony of the Department of natural Sciences contains 832 specimens belonging to 15 species, grouped in 2 orders and 6 families, the largest share being owned by the Anurae (respectively 5 families).

Scientific importance is reflected in the presence of vulnerable species (*Salamandra salamandra*, *Triturus cristatus*, *Pelobates fuscus*, *Hyla arborea*, *Rana temporaria*, *R. dalmatina*), endangered (*Rana arvalis*) or threatened with extinction (*Triturus vulgaris*, *Bombina bombina*, *B. variegata*, *Bufo bufo*, *B. viridis*) in the fauna of Romania, compared to the rest of the EU States where their conservation status is slightly worrying.

The creation of this catalogue was imposed because of the need to order the data currently available on amphibians and is an effective means for improving the specialists’ knowledge of this group.

REFERENCES

- BOTNARIUC N. & TATOLE VICTORIA (Eds). 2005. *Cartea Roșie a Vertebratelor din România*. Academia Română. Muzeul Național de Istorie Naturală ”Grigore Antipa”. București. 260 pp.
- CIOBOIU OLIVIA. 2004. Moluștele din colecția Alexandru V. Grossu-parametru de apreciere a răspândirii în condițiile actuale de impact antropic. *Oltenia. Studii și comunicări. Științele Naturii*. Muzeul Olteniei Craiova. **20**: 319-338.
- COGĂLNICEANU D. 2002. *Amfibienii din România – Ghid de teren*. Edit. Ars Docendi. București. 41 pp.
- FUHN I. 1960. “Fauna R.P.R.”, *Amphibia*. Edit. Academiei Republicii Populare Române. Bucharest. **14**(1). 288 pp.
- TOROK Z., GHIRA I., SAS I., ZAMFIRESCU Ș. 2013. *Ghid sintetic de monitorizare a speciilor comunitare de reptile și amfibieni din România*. Edit. Centrul de Informare Tehnologică ”Delta Dunării”. Tulcea. România. 126 pp.
- ***. Fauna Europaea. Version 2014. www.faunaeur.org. (accessed: March 11, 2022).
- ***. IUCN. International Union for Conservation of Nature’s Red List of Threatened Species. Version 15 2022. www.iucnredlist.org (accessed: March 12, 2022).

Alexandru Anca

The Oltenia Museum, Craiova, Str. Popa Șapcă, No. 8, 200422, Craiova, Romania.
E-mail: petcusinanca@gmail.com

Received: March 30, 2022
Accepted: June 08, 2022