

CUPRINS / SUMMARY / SOMMAIRE / RESUMEN

1. 100 DE ANI DE LA NASTEREA PROFESORULUI BIOLOG GEORGE D. VASILIU - o valoare insuficient evaluata - Constantin NICOLAE-DANESCU - p. 1 - 6

Summary: This short biographical paper presents the life and work of Professor and biologist George D. Vasiliu. Although well known among European biologists, the Professor George D. Vasiliu (1908 – 1989) was marginalized during the communist regime in Romania, and therefore his name and ample work is almost unknown in Romania.

2. STRUCTURI CENOTICE REPREZENTATIVE PENTRU DELTA DUNARII - Vasile SANDA, Valeriu ALEXIU, Ioana VICOL - p. 7 - 11

Abstract: The cenotic diversity pertain Danube Delta reflects the diversity of the aquatic and terrestrial. The aquatic ecosystems present structural and functional peculiarities in correlation with abiotic and biotic factors. A special attention was conferred the different phytocoenosis that make up a representative image from floristic point of view for Danube Delta biome.

3. CALDURA "Crinilor-Vrajitor" - Constantin TOMA, Ramona GALES - p. 12 - 14

Abstract: This paper is explaining briefly the case of high metabolic heat of *Sauromatum guttatum*, family Araceae. The study presents the mechanism of producing high heat in some stages of the plant development, and the phases of this phenomenon, including a detailed description and the substances related to the process.

4. FACTORI CU IMPACT NEGATIV ASUPRA HABITATELOR DIN CADRUL REZERVATIEI BIOSFEREI RETEZAT - Ioana VICOL - p. 15 - 20

Abstract: The weathering of the habitats, through the antropic activities lead to mitigation of the phytodiversity, even the disappear of vegetable species. The most important factors with an impact on habitats from Retezat Biosphere Reserve are: the hydro technical works, the grazing, the tourism, the invasive species etc. The hydro technical works have led to perturbations of the habitats, contributing to affecting degree of coverage with vegetation. The investigations, to point out that, the restore of the vegetal cover at least as close as possible is hardly, for exemple: Nucșoara Valley. The intensive graying have led to the mitigation of the meadows productivity and to colonization on these by ruderal species. The tourist activities and the invasive species represent a peril for phytodiversity.

5. COMORI FLORISTICE ARGESENE - Valeriu Alexiu - p. 21 - 29

FLORISTIC TREASURES OF ARGES DISTRICT

Summary: The scarcity and the endemism intrigued for long the naturalists who wondered about the reasons of the containment of certain species to the very particular limited surfaces or environments. Since 1820, De Candolle found already curious this unexplained phenomenon and introduced the endemic „term” to indicate certain types, certain families or certain species which appeared only in one certain place, and nowhere else. The endemic „term” refers to the habitat of the species, which presents a habitat very localized or a habitat characterized by particular environmental conditions, specific to a type of

environnement. This paper presents certain endemic species, identified in the mountains of Arges District.

TRÉSORS FLORISTIQUES D'ARGES

La rareté et l'endémisme ont depuis longtemps intrigué les naturalistes qui s'interrogeaient sur les raisons du confinement de certaines espèces aux aires limitées ou milieux très particuliers. Dès 1820, De Candolle trouvait déjà curieux ce phénomène inexpliqué et introduisait le terme „endémique” pour désigner certains genres, certaines familles ou encore certaines espèces qui n'apparaissent que dans un certain lieu, et nulle part ailleurs. Le terme „endémique” fait référence à l'habitat de l'espèce, qui présente un habitat très localisé ou un habitat caractérisé par des conditions environnementales particulières, spécifiques d'un type de milieu. On présente, toutefois, certaines espèces endémiques, identifiées dans les montagnes d'Arges.

6. DENUMIRI DE PLANTE IN POEZII POPULARE ROMANESTI - Marius-Nicusor GRIGORE - p. 30 - 36

Abstract : Romanian folklore represents a rich source of information about the role and importance of plants in our nation's existence. The folk poems are an accessible „database” of uncensored elements stored within the collective subconscious. The plants are a constant and evident part of these elements. The three volumes of the "Romanian folk poems" folklore anthology written by G. Dem. Teodorescu were studied and the data on plant names were synthesized. The apparent implications of plants in the Romanian people's existence are brought into discussion. Some profound aspects deduced from certain associations of words are also presented.

7. INTERVIU CU DOCTORUL EMILIAN DOBREA DESPRE NOI METODE SI INVENTII IN DOMENIUL MEDICAL - Gabriel Teodor GHERASIM - p. 37 - 41

Summary: This is an interview with Dr. Emilian Dobrea about his new medical researches and invention in the field of Medical Science and Bio-Engineering. Dr. Dobrea is presenting his invention of an electronic device used in bio-resonance functional medicine (European Patent Application EP1791594/USPTO Application # : 20080039905) This electronic device is generating electric signals controlled by a microprocessor that can detect the presence of a micro-organism inside the human body and to eliminate this micro-organism respectively, using its own database or the professional support of the specialized medical personnel, characterized by generating and transmitting to the patient of a procedure, function or treatment personalized according to telemedicine standards requirements.

8. INTEGRAREA REZERVAȚIEI BOTANICE "POIANA NARCISELOR DE LA NEGRAȘI" (jud. ARGEȘ) ÎN REȚEAUA "IMPORTANTELOR ARII PENTRU PROTECTIA PLANTELOR" (IPA-s) CU NARCISE (*Narcissus poeticus* ssp. *radiiflorus*) DIN ROMÂNIA - p. 42 - 45

Abstract: In this paper we intend to define the geographic base of the „Negrași” Preserve, to establish the ecology, corology and cenology of the population of *Narcissus poeticus* L. ssp. *radiiflorus* (Salisb.) Baker, to present the main preserves with *Narcissus poeticus* L. from Romania, and to identify the particular aspects from Dambovic area of Arges District in comparison to those existing in „Dumbrava Vadului”, from District of Brasov. Also, this study presents a management plan for the „Negrași” Preserve in order to diminish the factors which affect the biodiversity in the area.

9. O NOUA SPECIE FLORICOLA IN SORTIMENTUL FLORICOL ROMANESC - Cristian POPESCU - p. 46 - 48

Abstract : This article presents *Eustoma grandiflorum* a plant from Gentia *Genjianaceae* Family, *Dicotyledonatae* Class. Originally from South-East side of USA and Mexico, *Eustoma grandiflorum* was

brought to Europe by 1835, and largely sold after 1970, mostly in Holland, France, Italy, etc. It was brought to Romania in 1989.

10. COPACELUL SEQUOIA LA 10 ANI - Stelian IONESCU - p. 49 - 50

Summary: This short paper describes a Sequoia brought to Romania from California in 1999, now growing up in the property of the Arges District Museum, in Pitesti; a dream from 1959, of a Middle School teacher, which became reality after his visit in California, at the Sequoia National Park .

11. DARUL SI DOBANDA - Elena MATEI - p. 51 - 52

Summary: Nowadays, more than half of the original forest area was destroyed and this is about to get worse, if the current rate of deforestation is not slowing down. In the past, forests covered 50% of our land. The average deforestation in Romania is 27%. Irrational destruction not only lead to loss of forests, but even to loss of life where, because of deforestation, floods have or had devastating effects. For future generations we can justify why scientists are opposed to deforestation, but we can not justify why we couldn't stop it with all its disastrous effects. Careful conservation of forests is not a governmental task, but of the entire nation. In a spirit of these principles, Nicolae Steindhart, made a statement, which should become the motto for the Romanian people: "by giving, you achieve".

12. EXPEDITIE PE VALEA TOPOLOGULUI - Mihaela Ramona ZANFIRA – p. 53 - 54

Summary: This paper describes briefly a hiking expedition on the Topolog valley - a river in the western side of the Arges District - with the High School students from the city of Curtea de Arges. The expedition included cleaning of the area, repair of the tourist paths, and a biological study with students during the School's summer recess.

13. RECENZIE: VALERIU ALEXIU, CORMOFLORA JUDETULUI ARGES - Anghel RICHITEANU - p. 55 - 56

Summary: This is a presentation of the book "Analysis of the *cormoflora* of the Arges District". The book is an analysis of the cormoflora and vegetation from the Arges district; a very complex geographic and biologically diverse region of Romania, Professor Valeriu Alexiu's analysis is very detailed based on field observations, lab studies and researches. The book includes an important study related to the protection of this cormoflora and vegetation of this area, as well.

14. IN MEMORIAM NICOLAE BOSCAIU - Valeriu ALEXIU, Vasile SANDA - p. 57 - 61

Summary: This short biographical paper presents the life and work of Professor and biologist Nicolae BOSCAIU (1925 - 2008). Well known among European biologists, the Professor Nicolae Boscaiu was marginalized during the communist regime in Romania, and he couldn't practice as a university professor. However, after 1990, in November 1990 he was accepted in the Academia, in 1991 he became a member of the Romanian Academy and, in March 1997, he became Doctor Honoris Causa in Biology at University of Camerino, in Italy.

15. ANEXE

- **In atentia colaboratorilor – p. 62**
- **Formatul articolelor publicate in revista "ECOS" – p. 63**