

CONTENTS

Preface; <i>The Editors</i>	vi
The Carpathians orographic barrage role for the air masses crossing the upper and middle course of the Olt River; <i>Simona SPÂNU</i>	1.
The hydrophilous and hygrophilous flora and vegetation from the upper and middle Olt River Valley; <i>Constantin DRĂGULESCU</i>	13
Biodiversity of algae of the upper and middle course of the Olt River; <i>Ana RASIGA, Laura MOMEU, Ștefan PÉTERFI and András KOZMA ..</i>	31.
Algal communities of the Cibin River and of some wetlands situated on the upper and middle course of the Olt River; <i>Laura MOMEU, Ana RASIGA, Ștefan PÉTERFI and András KOZMA ...</i>	49.
Contributions to the knowledge of the zooplankton from the Olt River; <i>Teodora Maria ONCIU, Adina RADU and Liviu GALAȚCHI</i>	67.
Tendencies of the taxonomic dynamics of the aquatic invertebrate fauna from middle Olt River section; <i>Victoria TATOLE</i>	77.
Some aspects concerning the benthal fauna in the upper and middle Olt River Basin; <i>Verginica ȘERBAN and Cornelia BUSUIOC</i>	91.
Data concerning the benthic communities of the Cibin River (Olt River Basin); <i>Angela CURTEAN, Adriana MORARIU, Simona FĂCĂLĂU, Bianca LAZĂR and Sabina CHIȘU</i>	99.
Contribution to the knowledge of the freshwater molluskfauna from the upper and middle Olt River Basin; <i>Ioan SÎRBU, Andrei SÁRKÁNY-KISS, Mihai PETRESCU, Bianca LAZĂR and Gabriel BUIAN</i>	111.

Aspects of the terrestrial malacofauna from the upper and middle region of the Olt River Valley; <i>Voichița GHEOCA and Paul POPOVICI</i>	123.
Contribution to the knowledge of the caddis flies (Insecta, Trichoptera) fauna of the Olt River Basin; <i>Lujza UJVÁROSI and Sabina C. CHIȘU</i>	129.
Contribution to the knowledge of the mayfly larvae (Insecta, Ephemeroptera) from the Olt River Basin; <i>Noémi SZÁLLÁSY</i>	143.
Contributions to the knowledge of the Apoideae fauna from the Sibiu depression; <i>Mariana PASCU</i>	149.
Data concerning the human impact on the ichthyofauna of the upper and middle sectors of the Olt River; <i>Doru BĂNĂDUC</i>	157.
Micro-evolutionary and dispersal problems in fishes involving the Olt River Basin; <i>Petru M. BĂNĂRESCU</i>	165.
Preliminary report on herpetofauna of the upper and middle Olt River Basin; <i>Mara GYÖNGYVÉR, Ioan GHIRA and Farkas LEVENTE</i>	169.
Data on the avifauna from the Olt and Cibin valleys; <i>Ciprian FÂNTÂNĂ, Zoltán SZABÓ, Zoltán NAGY and Tiberiu TIOC</i> ...	183.
Contributions to the study of the waterfowl from Dumbrăvița Lake and Ponds (Bârsa Depression); <i>Dan T. IONESCU</i>	191.
Preliminary data concerning the avifauna of Brădeni - Fishponds; <i>Anikó MITRULY</i>	197.
Data on the avifauna from the “Sub Arini” park (Sibiu) in hiemal, prevernal and autumnal aspects; <i>Ana M. BENEDEK</i>	203.

CONTENTS

Preface	vi
Aspects concerning the liquid flow in Târnava Mică River Hydrographic Basin; <i>Valer DOBROS</i>	1.
The structure of Diatom communities inhabiting the Târnava Mică and Târnava Mare rivers; <i>Laura MOMEU and Leontin Ş. PÉTERFI</i>	5.
The Hydrophilous and Hygrophilous Flora and Vegetation of Târnave rivers; <i>Constantin DRĂGULESCU</i>	13.
A biodiversity assessment of the saxon villages region of Transylvania; <i>Owen J. MOUNTFORD and John R. AKEROYD</i>	31.
Preliminary note on the aquatic Oligochaeta from the Târnave rivers; <i>Diana CUPŞA</i>	43.
The freshwater molluscs from the Târnava rivers basin (Romania); <i>Ioan SÎRBU</i>	51.
Preliminary note concerning the terrestrial mollusk fauna of the Târnava hydrographic basin; <i>Voichiţa GHEOCA</i>	61.
The accumulation of the heavy metals in the tissues of <i>Helix pomatia</i> from locations with industrial and town pollution; <i>Voichiţa GHEOCA and Daniel GHEOCA</i>	67.
Study regarding Târnava Mare and Târnava Mică rivers (Transylvania, Romania) stonefly (Insecta. Plecoptera) larvae communities; <i>Angela CURTEAN - BĂNĂDUC</i>	75.
Contributions to the study of aquatic and semiaquatic Heteroptera (Insecta) from the hydrographic basin of Târnave rivers; <i>Daniela M. ILIE</i>	85.
Aspects concerning Târnava Mare and Târnava Mică rivers (Transylvania, Romania) caddis fly (Insecta. Trichoptera) larvae communities;	

<i>Sabina ROBERT and Angela CURTEAN – BĂNĂDUC</i>	89.
An ecological survey of the Cerambicidae (Coleoptera) in the geographic basin of the Târnava Mică Valley; <i>Petru ISTRATE</i>	99.
Târnava Mare River (Romania) ecological assessment, based on the benthic macroinvertebrates communities; <i>Angela CURTEAN - BĂNĂDUC</i>	109.
Fish associations - habitats quality relation in the Târnave rivers (Transylvania, Romania) ecological assessment; <i>Doru BĂNĂDUC</i>	123.
Ichthyological investigations in the drainage area of the Mureş River, 1948 - 1997; <i>Petru M. BĂNĂRESCU</i>	137.
The breeding migration and population characteristics of a common toad (<i>Bufo bufo</i>) population visiting a seminatural pond in Sighișoara; <i>Tibor HARTEL and LászlóDEMETER</i>	145.
Distribution, population size and dynamics of the white stork (<i>Ciconia ciconia</i> L.) in the Târnava rivers basin (Romania); <i>Ferenc KÓSA, Tamás PAPP and Péter PAP</i>	155.
Data on the bat fauna of the upper part of the Târnava rivers basin (Transylvania, Romania); <i>Csaba JERE and Annamária DOCZY</i>	167.
Remarks on the habitat of <i>Muscardinus avellanarius</i> in the Târnava Plateau (Transylvania, Romania); <i>Petru ISTRATE</i>	173.

CONTENTS

Prefacevi

Bacteria and pelagic food webs in pristine alpine lakes (Retezat Mountains, Romania);
Viera STRAŠKRÁBOVÁ, Dan COGĂLNICEANU, Jiři NEDOMA, Laura PARPALĂ, Carmen POSTOLACHE, Claudiu TUDORANCEA, Angheluța VĂDINEANU, Cristina-Maria VÂLCU and Victor ZINEVICI..... 1.

The Cormoflora from the south-eastern area of Retezat National Park, (Romania);
Ana Maria BENEDEK and Constantin DRĂGULESCU 11.

Zănoaga and Judele (Retezat National Park, Romania), biodiversity value and evidence of anthropogenic impacts on alpine vegetation;
John Owen MOUNTFORD 35.

Retezat Mountains (Romania) glacial lakes zooplankton biodiversity;
Teodora Maria ONCIU and Adina RADU 49.

The diversity of Tricladids fauna (Platyminthes, Turbellaria) from Retezat National Park (Romania);
Ioana ILUȚ, Lucian PÂRVULESCU and Milca PETROVICI 61.

The Diversity of Crustacean fauna (Arthropoda, Crustacea) from Retezat National Park (Romania)
Lucian PÂRVULESCU, Ioana ILUȚ and Milca PETROVICI 65.

Water mites (Acari, Hydrachnidia) from the Retezat National Park (Romania);
Mihaela CÎMPEAN and Reinhard GERECKE 69.

Arachnological studies in the Retezat National Park (Romania);
István URÁK and Kinga FETYKÓ 79.

Cadysfly (Insecta, Trichoptera) larvae communities of Bărbat River Basin (Retezat Mountains, Romania);
Angela CURTEAN-BĂNĂDUC, Florina CIUBUC and Constantin CIUBUC 89.

Contributions on the study of the macrozoobenthic invertebrates from the glacial lakes of the Lăpușnicu Mare River Basin (Retezat Mountains, Romania); <i>Diana CUPȘA and Gabriella BANYAI</i>	101.
The Râul Mare River (Retezat Mountains, Romania) fish fauna; <i>Doru BĂNĂDUC</i>	117.
Contributions to the study of rodents in the Retezat National Park (Romania); <i>Ioana COBZARU</i>	125.
Small Mammals (Insectivora and Rodentia) from Retezat National Park (Romania); <i>Ana Maria BENEDEK</i>	139.
Forest management and conservation in Retezat National Park (Romania); <i>Ioan ABRUDAN, Erika STANCIU, Gheorghe IGNEA and Liliana ROGOZEA</i>	147.
An approach to surveying and mapping the biodiversity of national parks (Romania); <i>John Owen MOUNTFORD, Dee PATRIQUIN and Jo R. TREWEEK</i>	157.
Retezat National Park (Romania) biodiversity monitoring plan (I) <i>Călin HODOR</i>	169.

CONTENTS

Preface; <i>The Editors</i>	
Aspects concerning the superficial liquid flow in the Târnava Mare River middle hydrographic basin (Transylvania, Romania); <i>Valer DOBROS</i>	1.
Characteristics of the relief from the central-eastern part of the Târnavelor Plateau, with reference to present modelling and the associate geomorphologic risk (Transylvania, Romania); <i>Marioara COSTEA</i>	7.
Stratigraphic considerations on the southern sector of the Târnava Mare Plateau (Transylvania, Romania); <i>Rodica CIOBANU</i>	23.
Macromycetes of the Breite Nature Reserve of ancient oaks, (Transylvania, Romania); <i>Livia BUCȘA</i>	33.
The riverside thickets of the Saxon Villages area of south-east Transylvania (Romania); <i>Constantin DRĂGULESCU</i>	43.
Xerophilous and Xero-Mesophilous grasslands on slumping hills around the saxon villages Apold and Saschiz (Transylvania, Romania); <i>Erika SCHNEIDER-BINDER</i>	55.
Ruderal flora of the Saxon Villages (Transylvania, Romania): a neglected conservation constituency; <i>John AKEROYD</i>	65.
The challenge of High Nature Value grasslands conservation in Transylvania (Romania); <i>Andrew JONES</i>	73.
The xero-mezophilic and xerophilic grasslands of <i>Festuco-Brometea</i> class in the Sighișoara - Târnava Mare potential Natura 2000 site (Transylvania, Romania); <i>Silvia OROIAN, Mariana HIRIȚIU and Manuela CURTICĂPEAN</i>	83.

Aspects regarding the terrestrial malacofauna of the Saxon Villages area of Southern Transylvania (Romania); <i>Voichița GHEOCA</i>	127.
Benthic macro-invertebrate and fish communities of some southern Târnava Mare River tributaries (Transylvania, Romania); <i>Angela CURTEAN-BĂNĂDUC</i> and <i>Doru BĂNĂDUC</i>	135.
Regional distribution, dynamic and determinants of breeding pond use in <i>Pelobates fuscus</i> (Amphibia) in the middle section of the Târnava Mare Basin (Transylvania, Romania); <i>Tibor HARTEL</i> , <i>Kinga ÖLLERER</i> and <i>Cosmin-Ioan MOGA</i>	149.
The herpetofauna of the Sighișoara area (Transylvania, Romania); <i>Ioan GHIRA</i>	159.
Distribution, population size and dynamics of the white stork (<i>Ciconia ciconia</i> L.) in the Hârțibaciu River basin (Transylvania, Romania); <i>Ferenc KOSA</i> and <i>Tamas PAPP</i>	169.
The importance of the riparian forest habitat for bird species richness in the Târnava Mare Valley (Transylvania, Romania); <i>Cosmin Ioan MOGA</i> and <i>Kinga ÖLLERER</i>	179.
Small Mammals (Insectivora and Rodentia) from the Agnita - Sighișoara area (Transylvania, Romania); <i>Ana Maria BENEDEK</i>	187.
Future land use change in a traditionally farmed landscape in eastern Europe (Transylvania, Romania); <i>Martha COWELL</i>	199.

CONTENTS

Preface; <i>The Editors</i>	
Geographical background elements of the Vişeu River Basin (Maramureş, Romania); <i>Timur Vasile CHIŞ</i>	1.
Analysis of Levelled surfaces in Maramureş Mountains (Maramureş, Romania); <i>Alexandru MUREŞAN</i>	5.
The characteristics of the hydrographical basins of the Maramureş Mountains (Maramureş, Romania); <i>Marioara COSTEA</i>	13.
Pollen analysis of the sequence from the Peat Bog Tăul Mare - Bardău (Maramureş, Romania) <i>Sorina FĂRCAŞ, Ioan TANŢĂU, Marcel MÎNDRESCU, Bogdan HURDU, Liviu FILIPAŞ and Tudor URSU</i>	21.
Conservation and management of the Mountain Pine habitat in the Maramureş Mountains Nature Park (Maramureş, Romania) <i>Oana Viorica DANCI</i>	31.
Rare, endangered and endemic species of plants of the Chyvchyny/Civcin Mountains (Carpathians); <i>Illia CHORNEY, Vasyl BUDZHAK and Alla TOKARYUK</i>	37.
Data on aquatic and hygrophilous molluscs from the Maramureş Mountains Nature Park (Maramureş, Romania); <i>Ioan SÎRBU, Voichiţa GHEOCA and Monica SÎRBU</i>	45.
Data concerning the terrestrial gastropod fauna of the Maramureş Mountains Nature Park (Maramureş, Romania); <i>Voichiţa GHEOCA, Monica SÎRBU and Ioan SÎRBU</i>	53.
The harvestmen fauna (Arachnida, Opiliones) from the Maramureş Mountains Nature Park (Maramureş, Romania); <i>Rodica PLĂIAŞU and Raluca BĂNCILĂ</i>	59.
Aspects regarding the diversity of aquatic and semiaquatic Heteroptera from the Maramureş Mountains Nature Park (Maramureş, Romania); <i>Horea OLOŞUTEAN and Daniela ILIE</i>	63.

The Miridae (Heteroptera) species list of Maramureş (Romania); <i>Aurora STĂNESCU</i>	73.
Apoid hymenopterans (Melittidae, Megachilidae, Anthophoridae, Apidae) from Maramureş area (Romania); <i>Cristina BAN-CĂLEFARIU</i>	89.
Contributions to the knowledge of the distribution of coccinelids and cerambycids beetles (Coleoptera, Coccinellidae, Cerambycidae) in the Maramureş Mountains Nature Park (Maramureş, Romania); <i>Rodica SERAFIM</i>	97.
The diversity of the leaf beetles (Coleoptera, Chrysomelidae) in the Maramureş Mountains Nature Park and surroundings (Maramureş, Romania); <i>Sanda MAICAN</i>	115.
The rove beetle fauna (Coleoptera, Staphylinidae) of the Maramureş County (Maramureş, Romania) <i>Melania STAN</i>	129.
Species Diversity of the beetle fauna, a sensitive parameter for ecological monitoring. Maramureş Mountains Nature Park (Romania); <i>Eugen NIŢU</i>	143.
Diptera (Insecta) of the Maramureş Mountains Nature Park (Maramureş, Romania); <i>Corneliu PÂRVU</i>	155.
Vişeu River and some tributaries ecological assessment based on macroinvertebrate communities (Maramureş, Romania); <i>Angela CURTEAN-BĂNĂDUC</i>	165.
The <i>Hucho hucho</i> (Linnaeus, 1758), (Salmoniformes, Salmonidae), species monitoring in the Vişeu River (Maramureş, Romania); <i>Doru BĂNĂDUC</i>	183.
The current distribution of herpetofauna in the Maramureş County and the Maramureş Mountains Nature Park, (Maramureş, Romania); <i>Dan COGĂLNICEANU, Raluca BĂNCILĂ, Ciprian SAMOILĂ</i> and <i>Tibor HARTEL</i>	189.
Preliminary ornithological survey in the Maramureş Mountains Nature Park (Maramureş, Romania); <i>István KOVÁCS</i>	201.
Results of research on the bat (Chiroptera) fauna of the Maramureş Mountains Nature Park (Maramureş, Romania); <i>Csaba JÉRE</i>	207.
Small mammals (Rodentia and Insectivora) from the Maramureş Mountains Nature Park (Maramureş, Romania); <i>Ana Maria GURZĂU, Ana Maria BENEDEK, Monica SÎRBU</i> and <i>Ioan SÎRBU</i>	215.

CONTENTS

Preface;
The Editors

BIOTOPES
The explanation of worldwide spread of Acid Sulphate Soils;
Leendert POONS 1.

BIOCOENOSIS
Riparian vegetation and macrozoobenthos of the Bačkovský potok brook in the
Slánske Vrchy Mountains (Slovakia);
*Peter MANKO, Jaroslav JUSKO, Pavol BALÁZS, Zuzana
ZAŤOVIČOVÁ-ČIAMPOROVÁ and Alica KOČIŠOVÁ* 17.

The state of Mussel settlements from Agigea, on the Romanian coast of the
Black Sea;
Aliona NOVAC and Nina SHUROVA 31.

Aquatic macroinvertebrate communities in River Torysa across the
Javorina military training area in the Levočske Vrchy Mountains (Slovakia);
Peter MANKO 41.

The dynamics of metals in fish from Nistru and Prut rivers (Moldova);
Natalia ZUBCOV, Elena ZUBCOV and Daniel SCHLENK 51.

ECOSYSTEMS
Importance of floodplains and floodplain wetlands along the lower
Danube with special regard to phytodiversity;
Erika SCHNEIDER-BINDER 59.

Assessment of the ecological status of some Bulgarian rivers from the
Aegean Sea Basin based on both environmental and fish parameters;
Milen VASSILEV and Ivan BOTEV 71.

Swamps biodiversity of the White Nile (Sudan);
*Elpida PALTENEA, Andrei VIFOREANU, Cristian BULGARU and
Elena JECU* 81.

Ecosystem services and their mapping in the Tisza/Tisa River basin – initial
steps in Hungary and Romania;
Elena MINCA and Katalin PETZ 87.

HUMAN IMPACT

Water pollution in the Mureş, Catchment and its impact on the aquatic communities (Romania); <i>Cristina SANDU, Jürg BLOESCH and Alina COMAN</i>	97.
Effect of metal pollution on aquatic microorganisms: a case study in mining areas (Romania); <i>Violeta ASTRATINEI and Ioana VARDUCA</i>	109.
The pollution degree of the Romanian seaside lakes water and its consequences; <i>Liviu GALAŢCHI, Stoica GODEANU and Monica IORDAN</i>	117.
Decline of biodiversity as a result of various impacts related to river regulation – exemplified by several small river catchments (Austria); <i>Clemens GUMPINGER and Christian SCHEDER</i>	141.
Threats for Danube Region Biodiversity – Global trends and local impacts and changes in biogeographical patterns; <i>Harald KUTZENBERGER</i>	149.
<h2># PROTECTION AND CONSERVATION</h2>	
Considerations concerning the wetlands importance, protection and sustainable management (Romania) <i>Marioara COSTEA</i>	155.
Reactive barriers used in the protection of aquatic ecosystems (Romania); <i>Ioan BICA, Alexandru DIMACHE, Iulian IANCU, Sevastița VRACIU, Cătălin CONSTANTIN, Mugur ŞTEFĂNESCU, Anca VOICU and Ciprian DUMITRESCU</i>	165.
Reuse of abandoned quarries and gravel-pits for the utilisation of their (limno-) ecological potential (Austria); <i>Ulrike BART, Clemens GUMPINGER and Christian SCHEDER</i>	173.
Challenge for ecological reconstruction of the largest agricultural polder in the Danube Delta (Romania); <i>Jenică HANGANU and Adrian CONSTANTINESCU</i>	177.
Data about the designation of Dumbrăvița (Romania) complex as Ramsar Site; <i>Dan IONESCU, Vladimir POPESCU and Daniel IORDACHE</i>	185.
Natura 2000 sites proposal for the European Community interest Cottidae fish species (Romania); <i>Doru BĂNĂDUC</i>	191.
Diversity in Aquatic Environment – New Classification Proposal; <i>Stoica GODEANU</i>	199.

CONTENTS

Preface	
<i>The Editors</i>	
Morpho-hydrographical and modeling features of the Arieş River basin (Transylvania, Romania); <i>Marioara COSTEA</i>	1.
Bacterial and enzymatic activities evolution in water and sediments of the Arieş River (Transylvania, Romania); <i>Vasile MUNTEAN, Anca LIVIA and Rahela CARPA</i>	11.
Laboratory tests regarding the reduction of mettalic ions content of some surface waters by bioremediation (Arieş Basin, Transylvania, Romania); <i>Anca VOICU, Mugur ŞTEFĂNESCU and Ioan LAZĂR</i>	19.
Overview of the semi-natural grassland communities from the middle and lower Arieş River valley (Transylvania, Romania) sintaxonomical cheklist; <i>József Pál FRINK</i>	29.
Secondary succession and fluctuations in meadows of the Apuseni Mountains (Transylvania, Romania) under different fertilisation regimes; <i>Katja BRINKMANN, Florin PĂCURAR and Albert REIF</i>	41.
The management of oligotrophic grasslands and the approach of new improvement methods; <i>Florin PĂCURAR, Ioan ROTAR, Nicoleta GÂRDA, Adriana MOREA</i>	59.
Preliminary data upon the aquatic Oligochaeta communities in the upper sector of the Arieş River (Transylvania, Romania); <i>Diana CUPŞA</i>	69.

Aquatic and semiaquatic Heteroptera from Arieş River basin (Transylvania, Romania) - methods in estimating biodiversity; <i>Daniela Minodora ILIE and Horea OLOŞUTEAN</i>	77.
Contribution to the knowledge of the Myrmecofauna (Hymenoptera, Formicidae) of the upper Arieş River basin (Transylvania, Romania); <i>Ioan TĂUŞAN</i>	87.
Order Trichoptera (Insecta) from the Apuseni Nature Park (Transylvania, Romania); <i>Constantin CIUBUC</i>	97.
Relationship between heavy metals and hyporheic invertebrate community structure in the middle basin of the Arieş River (Transylvania, Romania); <i>Sanda IEPURE and Letiţia SELESCU</i>	125.
Algae, macroinvertebrate and fish communities from the Arieş River catchment area (Transylvania, Romania); <i>Laura MOMEU, Klaus BATTES, Karina BATTES, Ionuţ STOICA, Anca AVRAM, Mirela CÎMPEAN, Ferdinand PRICOPE and Dorel URECHE</i>	149.
The facultative parasitism of <i>Calliphora vomitoria</i> (Linné, 1758) on <i>Vipera berus</i> (Linné, 1758) reported from Arieş River basin (Transylvania, Romania); <i>Ioan Valentin PETRESCU-MAG, Bogdan GEORGESCU and Ruxandra Mălina PETRESCU-MAG</i>	181.
Transylvanian Giant Rabbit originates from Arieş and Someş areas (Transylvania, Romania); <i>Ioan Valentin PETRESCU-MAG, Ruxandra Mălina PETRESCU-MAG, Miklos BOTA and Ioan OROIAN</i>	187.
Aspects of timber buildings decay - a case study induced by the association of the organisms <i>Serpula lacrymans</i> , <i>Coniophora puteana</i> and <i>Xestobium rufovillosum</i> / The “Avram Iancu” Memorial House (Arieş Basin, Transylvania, Romania); <i>Livia BUCŞA and Corneliu BUCŞA</i>	193.

CONTENTS

Preface;
The Editors

BIOTOPES

Najas spp. growth in relation to environmental factors in Wadi Allaqi (Nasser Lake, Egypt);
Hoda YACOUB 1.

Effects of temperature and salinity on the larvae of two subtidal *Nassariid* gastropods, *Nassaius siquijorensis* and *Nassaius crematus* (Gastropoda, Nassariidae);
Qian ZHAO, Paul Kam Shing SHIN and Siu Gin CHEUNG 41.

Determination of optimum range of salinity in hatching rate of *Artemia urmiana* (Günther, 1899);
Tahere BAGHERI and Aliakbar HEDAYATI 59.

Distribution of dissolved nucleic acids in the soil of southern Jordan;
Mohammed WEDYAN and Khalil ALTAIF 65.

BIOCOENOSIS

Terrestrial snail communities in southern Transylvanian (Romania) alluvial forests;
Voichița GHEOCA 73.

Occurrence of planktonic Rotifera in Thar Desert (Sindh, Pakistan);
Wazir Ali BALOCH, Syed Iftekhar Hussain JAFRI and Anila Naz SOOMRO 87.

The Maramureș Mountains Nature Park (Romania) mayfly (Insecta, Ephemeroptera) communities diversity analyse;
Angela CURTEAN-BĂNĂDUC 95.

Multidisciplinary evaluation of the function and importance of the small water reservoirs: the biodiversity aspect;
Ladislav PEKÁRIK, Tomáš ČEJKA, Zuzana ČIAMPOROVÁ-ZAŤOVIČOVÁ, Alžbeta DAROLOVÁ, Daniela ILLÉŠOVÁ, Marta ILLYOVÁ, Zuzana PASTUCHOVÁ, Emil GATIAL and Fedor ČIAMPOR 105.

ECOSYSTEMS

Floodplain forests along the lower Danube; <i>Erika SCHNEIDER-BINDER</i>	113.
Spreading and Ecology of <i>Manayunkia caspica</i> Annenkova 1928 (Polychaeta) in Serbian Danube stretch; <i>Vesna MARTINOVIC-VITANOVIC, Natasa POPOVIC, Snezana OSTOJIC, Maja RAKOVIC</i> and <i>Vladimir Kalafatic</i>	137.
Fish species diversity in the rivers of the north-west Bulgaria; <i>Teodora TRICHKOVA, Tihomir STEFANOV, Milen VASSILEV</i> and <i>Mladen ZIVKOV</i>	161.
 <h2># HUMAN IMPACT</h2>	
Assessment of water microbiologic pollution in Durres's Harbour basin (Albania); <i>Laura GJYLI</i> and <i>Lindita MUKLI</i>	169.
Environmental effect and threat of ballast water; <i>Aliakbar HEDAYATI</i> and <i>Tahere BAGHERI</i>	185.
 <h2># PROTECTION AND CONSERVATION</h2>	
Microorganisms with biotechnological potential present in oil residues polluted aquifer and groundwater; <i>Anca VOICU, Mugur ȘTEFĂNESCU, Mihaela Marilena LĂZĂROAIE, Doina CÎRSTEA</i> and <i>Cătălina PANTELIMON</i>	191.
Aquatic health assessment: a methodological proposal for Mexican aquatic ecosystems; <i>Jacinto Elías SEDEÑO-DÍAZ</i> and <i>Eugenia LÓPEZ-LÓPEZ</i>	201.

CONTENTS

Preface	
<i>The Editors</i>	
Geographical introductory characterization of the Rodna Mountains - Rodna Mountains National Park (Transylvania-Maramureş, Romania); <i>Timur Vasile CHIŞ</i>	1.
Natural cavities in the Piatra Rea - Ştiol area, Gura Fântâniei, Borşa (Rodna Mountains) (Transylvania-Maramureş, Romania); <i>Dumitru IŞTVAN</i>	15.
Pietrosul Rodnei Reserve typical topoclimatic conditions and the forest vegetation (Maramureş, Romania); <i>Ştefan Vasile BÉRES</i>	31.
The contributions of the botanists Artur Coman and Adám Boros to the knowledge of the Rodna Mountains bryophytes (Transylvania-Maramureş, Romania); <i>Marta BÉRES</i>	39.
The Bryophytes of the Rodna Mountains National Park (Transylvania-Maramureş, Romania); <i>Sorin ŞTEFĂNUŢ</i>	53.
Alpine wet habitat types of community interest in the Rodna Mountains National Park (Eastern Carpathians, Romania); <i>Erika SCHNEIDER-BINDER</i>	101.
Terrestrial Gastropod diversity of the Repede River valley in the Rodna Mountains National Park (Transylvania-Maramureş, Romania); <i>Voichiţa GHEOCA</i>	113.
The leaf beetles fauna (Coleoptera, Chrysomelidae) of the Rodna Mountains (Transylvania-Maramureş, Romania); <i>Sanda MAICAN</i>	123.

<p>Mayfly (Insecta, Ephemeroptera) assemblages in the Iza River/Tisa Watershed (Maramureş, Romania); <i>Angela CURTEAN-BĂNĂDUC</i></p>	141.
<p>Influence of anthropic impact on aquatic and semi-aquatic Heteroptera distribution from Repede River in the Rodna Mountains National Park (Transylvania-Maramureş, Romania); <i>Horea OLOŞUTEAN</i> and <i>Daniela ILIE</i></p>	149.
<p>Notes on the ant fauna (Hymenoptera, Formicidae) of the Rodna Mountains National Park and its surroundings (Transylvania-Maramureş, Romania); <i>Ioan TĂUŞAN</i></p>	159.
<p>Orthoptera fauna of the Rodna Mountains National Park (Transylvania-Maramureş, Romania); <i>Claudiu IUŞAN</i></p>	167.
<p>Hydrotechnical works impact on Cyclostomata and Cottidae species in the Rodna Mountains and Maramureş Mountains Natura 2000 sites (Transylvania-Maramureş, Romania), Repede River - a study case; <i>Doru BĂNĂDUC</i></p>	175.
<p>Bat species (Chiroptera) identified in the Rodna Mountains National Park and in adjacent areas (Transylvania-Maramureş, Romania); <i>Vasile Timur CHIŞ</i></p>	185.
<p>New data concerning the small mammal fauna (Insectivora, Rodentia) of the Rodna Mountains National Park (Transylvania-Maramureş, Romania); <i>Ioana NAE, Ioana COBZARU</i> and <i>Andreea Marina COZMA</i></p>	193.
<p>Data on the distribution of <i>Marmota marmota</i> (Rodentia, Sciuridae) from the Rodna Mountains National Park (Transylvania-Maramureş, Romania); <i>Beatrice-Medea SZABO</i>.....</p>	205.

CONTENTS

Preface;

The Editors

BIOTOPES

Water temperature as an applicable parameter with a high indicative value for the general condition of a river-ecosystem, drawing on the example of the River Trattnach in Upper Austria;

Clemens GUMPINGER, Sarah HÖFLER, Klaus BERG and Christian SCHEDER 1.

Natural, temporary dry river banks and their importance for a special part of biodiversity;

Erika SCHNEIDER-BINDER 15.

BIOCOENOSIS

Alien ligneous species evaluated by populational indices in the Danube Delta (Romania);

Mihai DOROFTEI 33.

Aquatic and semi-aquatic Heteroptera (Nepomorpha) from the Sulina - Sfântu Gheorghe Canal (Danube Delta, Romania);

Horea OLOSUTEAN and Daniela Minodora ILIE 55.

Ant diversity on *Sonneratia caseolaris* trees in Rembau-Linggi mangrove forest, Peninsular Malaysia;

Raja Nurul Nadia Raja ALANG, Wan Faridah Akmal Wan JUSOH, Akma Mustafa NUR-ZATI and Nor Rasidah HASHIM 77.

Caddisfly (Insecta, Trichoptera) assemblages in the Vișeu River basin (Romania);

Angela CURTEAN-BĂNĂDUC and Georgiana RADU 83.

Biological and genetic-biochemical parameters of <i>Carassius gibelio</i> population in the Kamchiya River (Black Sea tributary, Bulgaria); <i>Teodora TRICHOVA, Petya IVANOVA, Ivan DOBROVOLOV, Venelin NIKOLOV and Tihomir STEFANOV</i>	93.
--	-----

Nocturnal spotlight count survey methods for the estimation of abundance, distribution and population trend analysis of the <i>Crocodylus niloticus</i> in Lake Nasser (Egypt); <i>Ashraf Hussein Ibrahim SALEM</i>	107.
--	------

ECOSYSTEMS

The influence of low storm discharge on nutrients and algal periphyton dynamics of a small Mediterranean, mountainous, ephemeral stream pond - Oren River basin, Carmel Mountains (Israel); <i>Guy SISMA-VENTURA, Sophia BARINOVA, Noam GREENBAUM and Moti TAVASSI</i>	137.
---	------

Vertebrate species distribution in selected wetlands of the Danube River basin; <i>Roumen KALCHEV, Vladimir BESHKOV, Tomislav BOGDANOVIĆ, Alina COMAN, Michael EDINGER, Thomas HEIN, Bojidar IVANOV, Dušanka KRASIC, Melita MIHALJEVIC, Valentin NIKOLOV, Luchezar PEHLIVANOV, Slobodan PUZOVIC, Cristina SANDU, Nikola STOJNIC, Milen VASILEV and Ante VUJIC</i>	151.
--	------

HUMAN IMPACT

Water pollution at Sultansazligi Wetland and Develi closed basin (Turkey); <i>Fatma Ebru YILDIZ, Nail ÜNSAL and Ibrahim GÜRER</i>	169.
--	------

Oxidative stress and DNA damage elicited by microcystin-LR levels at Ignacio Ramírez Reservoir (Mexico); <i>Carmen FIGUEROA-ALDARÍZ, Jacinto Elías SEDEÑO-DÍAZ, Liliana FAVARI and Eugenia LÓPEZ-LÓPEZ</i>	185.
---	------

CONTENTS

Preface	
<i>The Editors</i>	
Geographical introductory characterization of the upper Tisa River basin (Romania-Ukraine);	
<i>Vasile Timur CHIŞ and Sorin KOSINSZKI</i>	1.
The geological structure of the Maramureş Depression (Maramureş, Romania);	
<i>Dumitru IŞTVAN</i>	15.
Geology and karst geomorphology of the Izvorul Izei area (Maramureş, Romania);	
<i>Tudor TĂMAŞ, Bogdan MUREŞAN, Diana SAHY, Traian MINGHIRAŞ, Alexandru MUREŞAN and Iuliana VIŞAN</i>	25.
Hydrochemical status of streams and rivers of the upper Tysa River basin in the Ukrainian Carpathians;	
<i>Petro PAPARYHA, Ludmyla PIPASH, Vasyl SHMILO and Anatoly VEKLYUK</i>	47.
Ecological and geochemical features of the Rakhiv-Tysianska tectonic zone of the Ukrainian Carpathians;	
<i>Petro PAPARYHA, Ivan DIORDIAY and Mykola TATSIUK</i>	53.
Influence of the alluvial deposits on the soil properties of the floodplain of the foothill current of the river Tysa;	
<i>Oleg ORLOV and Oksana VOVK</i>	59.
The contributions of the botanists Artur Coman and Adám Boros to the knowledge of Maramureş (Romania) area bryophytes - II;	
<i>Marta BÉRES</i>	65.
Peculiarities of ex situ cultivation of <i>Gentiana lutea</i> L. in the Ukrainian Carpathians;	
<i>Bohdana MOSKALIUK</i>	81.
Distribution of endemic and rare vascular plant species in the upper Tysa Basin;	
<i>Tetiana ANTOSYAK and Alla KOZURAK</i>	85.

Habitats suitability of highly invasive plants species in Ukrainian part of the Upper Tisa basin; <i>Bohdan PROTS and Maria SIMPSON</i>	95.
Tendencies of <i>Rhododendron myrtifolium</i> Schott et Kotschy community dynamics in the Ukrainean Carpathian alpine areas; <i>Mykola VOLOSHCHUK</i>	109.
Highland forests of the Carpathian Biosphere Reserve; <i>Myroslav KABAL and Dmytro SUKHARYUK</i>	115.
Primeval forests of the Carpathian Biosphere Reserve: diversity and action plan for their conservation; <i>Dmytro SUKHARYUK</i>	121.
Data on the freshwater molluscs from Romanian tributaries of the Upper Tisa River Basin; <i>Ioan SÎRBU, Zoltan FEHÉR, Peter GLÖER and Monica SÎRBU ..</i>	127.
Data on terrestrial gastropods from the Vișeu River basin (Upper Tisa River basin, Romania); <i>Voichița GHEOCA</i>	137.
Ecogeographic structure of the Moth fauna (Lepidoptera, Drepanoidea, Bombycoidea, Noctuoidea) in upper Tisa River basin and adjacent areas (Ukraine); <i>Yurii KANARSKYI, Yurii GERYAK and Eugeny LYASHENKO</i>	143.
Autumn diet and trophic relations of juvenile Brown Trout (<i>Salmo trutta</i>), Rainbow Trout (<i>Oncorhynchus mykiss</i>) and European Grayling (<i>Thymallus thymallus</i>) in the Shipot River (Ukraine); <i>Svitlana KRUZHYLINA and Alexander DIDENKO</i>	169.
Ecotopical preferences in brown bear's distribution in the territory of the Carpathian Biosphere Reserve (Ukraine); <i>Yaroslav DOVHANYCH</i>	183.
Maramuresh/Maramureș region stakeholders for nature conservation management: strategic planning (Ukraine-Romania); <i>Bohdan PROTS, Phyllis RACHLER and Taras YAMELYNETS</i>	191.

CONTENTS

Preface;
The Editors

BIOTOPES
Are there endemic vascular plants in wet habitats of Europe?
Carsten HOBOM and Ines BRUCHMANN 1.

BIOCOENOSIS
The coenology and chorology of vegetation from the Order Magnocaricetalia
Pignati 1953 in Sibiu County (Transylvania, Romania);
Constantin DRĂGULESCU 15.

Pioneer plant communities on stream banks of the tropical rainforest in the
Khao Sok National Park (Southern Thailand);
Erika SCHNEIDER-BINDER 43.

Morphometric measurement and field estimation of the size of *Crocodylus*
niloticus in Lake Nasser (Egypt);
Ashraf Hussein Ibrahim SALEM 53.

ECOSYSTEMS
River fragmentation and connectivity problems in Gange River of upper
Himalayas: the effect on the fish communities (India);
Velaichamy JEEVA, Sudhir KUMAR, Dharmendra VERMA and
Harcharan Singh RUMANA 75.

The Danube in Serbia - ecological status and management issues;
Ana BORISAVLJEVIC 91.

The analyse of the trophic resources utilisation by the congeneric species
Barbus barbus (Linnaeus, 1758) and *Barbus meridionalis* Risso 1827 in the Târnava
River basin;
Doru BĂNĂDUC, Letiția OPREAN, Alexandru BOGDAN and Angela
CURTEAN-BĂNĂDUC 101.

HUMAN IMPACT

- Heavy metal concentrations in an important mangrove palm (*Nypa fruticans*),
in Rembau-Linggi Mangrove Forest (Peninsular Malaysia);
Tengku Nurul Aishah AZIZ and Nor Rasidah HASHIM 111.
- Detection of range finding test of mercury chloride in yellowfin sea bream
(*Acanthopagrus latus*);
*Aliakbar HEDAYATI, Alireza SAFAHIEH, Ahmad SAVARI and Jasem
GHOFLE* 117.
- Bacterial community structure in the wetlands of Hortobágyi Nemzety Park
(Hungary);
Viera STRAŠKRÁBOVÁ, Gyula LAKATOS and Péter KERESZTÚRI .. 127.
- Conservation status of the Hawksbill Turtle (*Eretmochelys imbricata*) in some
islands of Persian Gulf;
*Ruhollah ZARE, Seyyed Mohammad Bagher NABAVI and Mahdieh
Eftekhar VAGHEFI* 137.
- Phosphate solubilizing bacteria *Microbacterium paraoxydans* isolated from
the rhizospheric ecosystem of wheat (*Triticum aestivum*);
*Gurdeep KAUR, Jasminder KAUR, K. S. Dadhich and Swaranjit
Singh CAMEOTRA* 149.
- Asymmetry studies in *Rhynchorhamphus georgi* (Valenciennes, 1846),
(family: Hemiramphidae) collected from the sea of Oman;
*Juma AL-MAMARY, Laith JAWAD, Hajer AL-MAMARY, Manal AL-
YARUBI and Darwood AL-MAMARY* 161.
- ## # PROTECTION AND CONSERVATION
- Biodegradation of diesel fuel;
Sonali BHAWSAR and Swaranjit Singh CAMEOTRA 169.
- A new perspective on McKinney's wastewater model;
Letiția OPREAN and Horea OLOSUTEAN 181.
-

CONTENTS

Preface	
<i>The Editors</i>	
A study of the benthic diatom flora of the Cefa Nature Park (Crişana, Romania); <i>Adrian SINITEAN and Ramona KUTAŞI</i>	1.
Planktonic algal communities occurring in the wetlands of the Cefa Nature Park (Crişana, Romania); <i>Laura MOMEU, Leontin Ştefan PÉTERFI and Liana BLAGA</i>	11.
Flora and habitats of Cefa Nature Park (Crişana, Romania); <i>Ana-Maria BENEDEK, Constantin DRĂGULESCU, József Pál FRINK and Milca PETROVICI</i>	35.
The structure of oligochaeta and chironomidae communities from the aquatic ecosystems of the Cefa Nature Park (Crişana, Romania); <i>Claudia PAVELESCU</i>	69.
Planktonic microcrustacean communities from Cefa Nature Park (Crişana, Romania); <i>Karina Paula BATTES and Laura MĂLUŢAN</i>	81.
Faunistic overview upon the aquatic malacostracans (Crustacea, Malacostraca) of Cefa Nature Park (Crişana, Romania); <i>Denis COPILAŞ-CIOCIANU and Lucian PÂRVULESCU</i>	99.
Caddisflies (Insecta, Trichoptera) community structure in Cefa Nature Park (Crişana, Romania); <i>Mălina RÎRVU, Constantin CIUBUC and Milca PETROVICI</i>	107.
Contribution to the knowledge of the Orthoptera fauna (Caelifera, Ensifera, Dermaptera, Mantodea and Blattaria) of the Cefa Nature Park (Crişana, Romania); <i>Iren BEREI and Richard HOFFMANN</i>	119.

<p>Seasonal dynamics of the ground beetles (Coleoptera, Carabidae) in Cefa Nature Park (Crişana, Romania); <i>Ştefan-Bogdan DEHELEAN, Mircea VARVARA and Milca PETROVICI</i></p>	141.
<p>Community structure and seasonal dinamyc of the epigeal fauna from Cefa Nature Park (Crişana, Romania); <i>Ştefan-Bogdan DEHELEAN and Milca PETROVICI</i></p>	153.
<p>Fisheries management influence on some ecophysiological groups of bacteria in lentic ecosystems of the Cefa Nature Park (Crişana, Romania); <i>Marioara Nicoleta FILIMON, Ana FULGER, Roxana POPESCU, Adrian SINITEAN, Georgiana POROSANU and Sorin VOIA</i></p>	161.
<p>Notes upon the Herpetofauna of the Cefa Nature Park (Crişana, Romania); <i>Ioan GHIRA, Severus Daniel COVACIU-MARCOV, Istvan SAS and Alfred-Ştefan CICORT-LUCACIU</i></p>	171.
<p>Contribution to the knowledge of the bat fauna (Chiroptera) from the Cefa Nature Park (Crişana, Romania); <i>Richard HOFFMANN and Iren BEREI</i></p>	177.
<p>Ectoparasites of small mammals (Rodents) from Cefa Nature Park (Crişana, Romania); <i>Ana-Maria BENEDEK and Ioan SÎRBU</i></p>	197.
<p>Presence of the hazel dormouse - <i>Muscardinus avellanarius</i> (Linnaeus, 1758) (<i>Rodentia, Gliridae</i>) in the Cefa Nature Park (Crişana, Romania) with notes on the biology of the species; <i>Eliana SEVIANU, Milca PETROVICI and Alin DAVID</i></p>	205.

CONTENTS

Preface; <i>The Editors</i>	
# BIOTOPES	
A coherent light scattering procedure to measure very small concentration of organic suspension in natural water; <i>Dan CHICEA</i>	1.
Nile crocodile nesting habitat (Egypt); <i>Ashraf Hussein Ibrahim SALEM</i>	9.
# BIOCOENOSIS	
Biodiversity of the microorganisms existing in the salt lakes at Ocna Sibiului (Romania) and Chott El Jerid (Tunisia); <i>Ecaterina LENGYEL, Letiția OPREAN, Ovidiu TIȚA, Ramona IANCU and Maria IANCU</i>	25.
The Diatoms of the Marmore Waterfall (Umbria, Italy); <i>Mariacristina TORRISI and Antonio DELL'UOMO</i>	33.
The composition of Diatom communities in the Bega River, sections upstream Timișoara and Otelec (Romania); <i>Hanelore Elena MUNTEAN</i>	47.
Algal diversity of the Akko Park wetlands in the Bahai Gardens (Haifa, Israel); <i>Sophia BARINOVA and Eviatar NEVO</i>	55.
First report of two species of Sea Cucumbers from Qeshm Island (Persian Gulf); <i>Maryam EHSANPOUR, Majid AFKHAMI, Kazem Darvish BASTAMI, Aida KHAZAALI and Farzane SOLTANI</i>	81.

The parthenogenetic reproduction potential in some rotifers and microscopic crustaceans; <i>Elena SILITRARI, Elena ROȘCOV and Andrei SILITRARI</i>	89.
Species-habitat relations and community structures of aquatic Heteroptera from the eastern part of the Danube Delta (Romania); <i>Horea OLOSUTEAN, Daniela ILIE and Codruța OLOSUTEAN</i>	103.
# ECOSYSTEMS	
Possibilities of macrophyte indicators, application for assessment of ecological status of lakes; <i>Joana SENDER</i>	115.
Fish communities structural and functional aspects - Târnava River Basin (Transylvania, Romania) case study; <i>Doru BĂNĂDUC and Angela CURTEAN-BĂNĂDUC</i>	129.
Floral, faunal and environmental diversity of S.C.I. area (SICIT110097) and regional Nature Reserve Sorgenti del Pescara (Pescara Springs), as a basis for environmental programming and planning (Valle Peligna, Abruzzo Region, Italy); <i>Kevin CIANFAGLIONE and Piera Lisa DI FELICE</i>	139.
# HUMAN IMPACT	
Saprobiological analysis of water of the Nišava River (first order tributary of the southern Morava Rivar) in south-eastern Serbia on the basis of macrozoobenthos as a bioindicator; <i>Ivana ŽIVIĆ, Jovana MATIJEVIĆ, Jelena ĆIRKOVIĆ, Sanja FUŽINATO, Katarina BJELANOVIĆ and Zoran MARKOVIĆ</i>	149.
Benthic macroinvertebrates as indicators of water quality in streams of Costa Rica: using an adaptation of the BMWP score; <i>Jacinto Elías SEDEÑO-DÍAZ, Bert KOHLMAN and Eugenia LÓPEZ-LÓPEZ</i>	163.
Effects of human activities on the biodiversity of a tropical man made lake (Esinminrin Dam); <i>Victor SOOLUTAYO</i>	175.
# PROTECTION AND CONSERVATION	
Nusa Penida Marine Protected Area (MPA) Bali - Indonesia: Why need to protect? <i>Toni RUCHIMAT, Riyanto BASUKI and Marthen WELLY</i>	187.

CONTENTS

Preface;
The Editors

BIOTOPES

Estimating particle concentration in natural water by speckle contrast;
Dan CHICEA 1.

Gerris lacustris (Linnaeus 1758) and *Gerris costae* (Herrich-Schäffer 1850)
species - habitat relations on mountainous tributaries of Vişeu River (Maramureş,
Romania);
Horea OLOSUTEAN and *Daniela Minodora ILIE* 11.

Habitat vulnerability for the Nile Crocodile (*Crocodylus niloticus*) in Nasser
Lake (Egypt);
Ashraf Hussein Ibrahim SALEM 19.

BIOCOENOSIS

Preliminary observations on the Family Mormyridae in Oyan Dam lake
(Nigeria);
Olaniyi Alaba OLOPADE 33.

Utilization of periphytic natural food as partial replacement of commercial
food in organic Tilapia culture - an overview;
Ana MILSTEIN, Alon NAOR, Assaf BARKI and *Sheenan HARPAZ* 49.

Diversity and abundance patterns of amphibians in rehabilitated quarries of
Bamburi near Mombasa (Kenya);
*Dominic Otworu ONG'OA, Rossa Nyoike NG'ENDO, Shadrack
Muvui MUYA, Mathew Mugechi NYOIKE, Patrick Kenyatta MALOMZ* and *Zipporah
Lagat OSIEMO* 61.

ECOSYSTEMS

Fisheries management influence on some ecophysiological groups of bacteria
in lotic ecosystems of the Cefa Nature Park (Romania);
*Marioara Nicoleta FILIMON, Patricia DRĂGUŞIN, Cristina
DRĂGUŞIN, Roxana POPESCU, Maria MUGUR, Claudia RATIS* and *Sorin
VOIA* 73.

The influence of some environmental variables on diversity of Ephemeroptera, Plecoptera and Trichoptera assemblages - Vişeu Basin case study; <i>Angela BĂNĂDUC and Horea OLOSUTEAN</i>	81.
 # HUMAN IMPACT	
Environmental indicators of water quality in the Cibin River (Transylvania, Romania); <i>Ramona IANCU, Letiția OPREAN, Diana STEGĂRUȘ, Ovidiu TIȚA, Adrian BOICEAN and Ecaterina LENGYEL</i>	91.
Effects of the invasive Ctenophore, <i>Mnemiopsis leidyi</i> species, on Caspian Sea; <i>Zahra KOHSNUD, Reza KOHSNUD and Mehdi GHOBETI HASAB ..</i>	117.
The survey of sea cucumber fisheries on Qeshm Island coasts (Persian Gulf); <i>Majid AFKHAMi, Maryam EHSANPOUR, Amin MOKHLECI and Kazem DARVISH BASTAMI</i>	127.
Health risks evaluation of heavy metals in sea food; <i>Zahra KHOSHNOOD and Reza KHOSHNOOD</i>	137.
 # PROTECTION AND CONSERVATION	
The relevance of data interchange for the effective protection of threatened species by example of new records of endangered caddisfly species (Insecta, Trichoptera); <i>Christian SCHEDER and Clemens GUMPINGER</i>	145.
<i>Barbus meridionalis</i> Risso 1827 (syn. <i>Barbus balcanicus</i>) monitoring elements proposal for Croatia, in Natura 2000 context; <i>Doru BĂNĂDUC and Angela CURTEAN-BĂNĂDUC</i>	163.
The comparative analysis of pressures and threats to the Natura 2000 sites for wild birds protection. Case studies in wetlands in Romania and Bulgaria; <i>Doina CIOACĂ</i>	183.
Nusa Penida Marine Protected Area (MPA) Bali - Indonesia: Why need to be protected? <i>Toni RUCHIMAT, Riyanto BASUKI and Marthen WELLY</i>	193.

CONTENTS

Preface;
The Editors

BIOTOPES

Estimating particle concentration in natural water by far field speckle intensity; <i>Dan CHICEA and Liana-Maria CHICEA</i>	1.
Geographical and human impact elements influence on the fish fauna of the Olteř River (Romania); <i>Doru BĂNĂDUC, Mircea MĂRGINEAN and Angela CURTEAN-BĂNĂDUC.....</i>	9.
# BIOCOENOSIS	
The Dead Sea ecosystem influenced by Red Sea - Dead Sea conduit project (Peace Conduit); <i>Moh'd WEDYAN, Ahmed EL-OQLAH, Khalil ALTIF and Khalid KHLIFATE</i>	45.
Climatic influence on the phytoplankton communities of the upper reaches of the Southern Bug River (Ukraine); <i>Olena BILOUS, Sophia BARINOVA and Petro KLOCHENKO</i>	61.
The economic and ecological potential of macrophitic vegetation in urban lakes; <i>Oriana IRIMIA-HURDUGAN</i>	87.
Long- and short-term changes of the structure of macrophytes in lake Piaseczno in relation to land use in the Łęczna-Włodawa Lakeland (Poland); <i>Joana SENDER and Weronika MAŚLANKO</i>	101.

<p>High morphological variability of <i>Gerris argentatus</i> Schumel 1832 (Heteroptera: Gerridae) and probably Europe's smallest gerrids, in the Danube Delta; <i>Horea OLOSUTEAN, Codruța OLOSUTEAN and Daniela Minodora ILIE</i></p>	111.
<p>Analysis of the microsatellite variation in the common hybrid between Russian sturgeon (<i>Acipenser gueldenstaedtii</i> Brandt and Ratzeburg, 1833) and Siberian sturgeon (<i>Acipenser baerii</i> Brandt, 1869) from aquaculture; <i>Sergiu Emil GEORGESCU, Oana CANAREICA, Andreea DUDU and Marieta COSTACHE</i></p>	117.
<p>Genetic diversity of brown trout's populations using mitochondrial markers in relatively similar geographical and ecological conditions – a Carpathian case study; <i>Gina-Oana POPA, Miad KHALAF, Andreea DUDU, Angela CURTEAN-BĂNĂDUC, Doru BĂNĂDUC, Sergiu Emil GEORGESCU and Marieta COSTACHE</i></p>	125.
<p># ECOSYSTEMS</p>	
<p>Reproductive ecology of mangrove flora: conservation and management; <i>Jacob Solomon Raju ALURI</i></p>	133.
<p>Analysing learning at the interface of scientific and traditional ecological knowledge in a mangrove ecosystem restoration scenario in the eastern coast of Tanzania; <i>Daniel SABAI and Heila SISITKA</i></p>	185.

CONTENTS

Preface <i>The Editors</i>	
Spatial and temporal features of the Timiș River (Banat, Romania) liquid flow regime; <i>Marioara COSTEA</i>	1.
Timiș River Flooding in Banat (Romania) in 2005; <i>Daniel Mihut CODEA</i>	13.
Some geomorphologic aspects along the Timiș River in the Romanian sector; <i>Marioara COSTEA</i>	23.
Monitoring and evaluation of Timiș River (Banat, Romania) water quality based on physicochemical and microbiological analysis; <i>Letiția OPREAN, Ecaterina LENGYEL and Ramona IANCU</i>	33.
Relations between river chemistry and its phytoplankton. Case study - Timiș River; <i>Hanelore MUNTEAN</i>	43.
The phytoplankton biota variation on the Timiș River according to the chemistry and hydrology of the water course; <i>Hanelore MUNTEAN, Iuliana DOBAI, Cătalin MILOTIN and Cristina GROZA</i>	51.
The hidrophyle and higrophile flora and vegetation of the Timiș drainage basin (Banat, Romania); <i>Constantin DRĂGULESCU</i>	61.
New data concerning the freshwater molluscs from the Romanian sector of Timiș River (Banat, Romania); <i>Ioan SÎRBU and Monica SÎRBU</i>	89.

<p>Prewintering aquatic and semiaquatic true bugs in the Timiș River Valley: adaptations, diversity, community structure and the role of antropic impact; <i>Horea OLOSUTEAN and Daniela ILIE</i></p>	109.
<p>Considerations regarding the land snails from the upper Timiș River valley (Banat, Romania); <i>Voichița GHEOCA</i></p>	117.
<p>The longitudinal dinamic of macroinvertebrate communities structure on Timis River (Banat, Romania); <i>Angela CURTEAN-BĂNĂDUC and Adina Nicoleta FARCAȘ</i></p>	123.
<p>The diversity of caddisflies (Insecta: Trichoptera) species in Timiș River water catchment area (western Romania); <i>Mălina PÂRVU and Lucian PÂRVULESCU</i></p>	133.
<p>The fish fauna of the Timiș River (Banat, Romania); <i>Doru BĂNĂDUC, Victor STROILĂ and Angela CURTEAN-BĂNĂDUC</i>.....</p>	145.
<p>The Timiș River basin (Banat, Romania) natural and antropogenic elements. A study case - management chalanges; <i>Bianca BURGHELEA, Doru BĂNĂDUC and Angela CURTEAN-BĂNĂDUC</i></p>	173.
<p>Flood effects on the phytoplankton diversity of Bega River (Banat, Romania); <i>Hanelore MUNTEAN and Laura ALEXOAIE</i></p>	207.

CONTENTS

Preface;
The Editors

BIOCOENOSIS

Revision of Parasitic Helminths Reported in Freshwater Fish from Turkey
with New Records; 1.
Ahmet ÖKTENER

Species composition of the benthic macroinvertebrates on the coastline
vegetated rocky substrates of the southern Caspian Sea; 57.
Amir Faraz GHASEMI

Molecular methods for detection of natural hybrids in sturgeon population;
Alexandru BURCEA, Iulia Elena FLORESCU, Andreea DUDU,
Sergiu Emil GEORGESCU and Marieta COSTACHE 65.

The assessment of community interest fish species from protected area
ROSCI0229; 73.
Luiza FLOREA, Sorin Dorin STRĂȚILĂ and Mioara COSTACHE

The effect of seasonal changes on freshwater fish assemblages and
environmental factors in Bukit Merah Reservoir (Malaysia); 97.
Zakeyuddin MOHD SHAFIQ, Md Sah AMIR SHAH RUDDIN, Hazrin
Hashim ZARUL, Puteh KHALED, Mohammad SYAIFUL and Wan Omar WAN
MAZNAH

Structure of birds communities from Cefa Nature Park (Crișana, Romania); 109.
Milca PETROVICI and Attila NAGY

# ECOSYSTEMS	
Diversity of aquatic ecosystems in urban areas – public expectations; <i>Joanna SENDER and Weronika MAŚLANKO</i>	125.
# HUMAN IMPACT	
The nightmare: genetically modified organisms as alien species; <i>Meliha Merve HIZ and Cüneyt AKI</i>	135.
Effects of river regulation on plant dispersal and vegetation; <i>Oksana OMELCHUK and Bohdan PROTS</i>	149.
# PROTECTION AND CONSERVATION	
Implementation of sustainable logistic model of system for collection of the communal waste in the municipality of Bitola; <i>Ivo DUKOSKI and Nikolche TALEVSKI</i>	159.
The four leaf water clover (<i>Marsilea quadrifolia</i> L.) an endangered species. Aspects of conservation and management; <i>Erika SCHNEIDER-BINDER</i>	165.
Description of ecotechnical method, proposed for Hârtibaciu River along the sector in Agnita, Sibiu county <i>Răzvan VOICU and Liliana VOICU</i>	181.
<i>Rhodeus sericeus amarus</i> Bloch, 1782; monitoring elements in the new Natura 2000 context in Croatia; <i>Doru BĂNĂDUC and Angela CURTEAN-BĂNĂDUC</i>	189.

CONTENTS

Preface;
The Editors

BIOCOENOSIS

Considerations regarding alpine rivers and their ligneous vegetation with *Myricaria germanica* in the Maramureş Mountains Nature Park (Romania);
Oana DANCI 1.

The aquatic and marshy flora of the Lotru River basin (Southern Carpathians, Romania);
Constantin DRĂGULESCU 21.

Comparative study of alluvial Cnidion-type meadows in the lower Danube River basin;
Erika SCHNEIDER-BINDER 39.

An updated Checklist of Parasitic Helminths of Marine Fish from Turkey;
Ahmet ÖKTENER 55.

Identification and study of fish species in Karkheh River (Iran);
Zahra KHOSHNOOD 97.

Use of poachers' catches for studying fish fauna in the water bodies of the Transcarpathian region (Ukraine);
Alexander DIDENKO, Igor VELYKOPOLSKY and Andrey CHUKLIN 107.

ECOSYSTEMS

Abundance of the alien spionid *Streblospio gynobranchiata* in relation to sediment composition along the southern coast of the Caspian Sea;
Amir Faraz GHASEMI, Armin JAM, Mehrshad TAHERI and Maryam FOSHTOMI 119.

A survey on ionic and metabolite factors of blood serum in Kutum (*Rutilus frisii kutum*);
Majid AFKHAMI, Kazem Darvish BASTAMI, Nariman SHABANI and Farzane SOLTANI 127.

HUMAN IMPACT

- Research on water quality used in the milk industry in Sibiu County (Transylvania, Romania);
Mihaela TIȚA, Adrian DABIJA, Ovidiu TIȚA and Daniela NAIARETTI 133.

PROTECTION AND CONSERVATION

- Zingel zingel* (Linnaeus, 1766) on site management decisions support system – study case;
Doru BĂNĂDUC, Cristina-Ioana CISMAȘ and Angela CURTEAN-BĂNĂDUC 139.

- Providing longitudinal connection in case of cross sluicing on water bodies in Banat Hydrographic area;
Diana HOANCĂ, Corina TODORESCU and Alina ROȘU 151.

- Creating a system for upstream – downstream fish migration over the first and the second discharge sills downstream of Mănăștur Dam on the Someșul Mic River (Cluj Napoca, Transylvania, Romania)
Răzvan VOICU and Eric MERTEN 161.

- New paradigm of co-management of MPAs in Indonesia, lessons learned from COREMAP;
Suraji, Toni RUCHIMAT, Sudirman SAAD and Sriyanti WIBISANA ... 181.

- Bayesian update for descriptive statistics in Fisheries Science;
Sedat GÜNDOĞDU and Mustafa AKAR 189.

- Biodegradation of 4-chlorobiphenil by *Pseudomonas synxantha*;
Noorpreet Inder Kaur DHANJAL and Swaranjit Singh CAMEOTRA .. 197.
-

CONTENTS

Preface

The Editors

<i>Lepidophloios acerosus</i> Lindley and Hutton 1831 in the Carboniferous Cucuiova formation, "Iron Gates" Natural Park (Banat, Romania); <i>Mihai Emilian POPA</i>	1.
Phytogeographical importance of the mountains along the Danube gap valley and surrounding area; <i>Erika SCHNEIDER-BINDER</i>	11.
Morphometric analysis to extrapolate geoecological potential of the rivers in the "Iron Gates" Natural Park (Banat, Romania); <i>Cristian TETELEA</i>	29.
Microclimate observation at Hermann's tortoise (<i>Testudo hermanni boettgeri</i>) habitat in the "Iron Gates" Natural Park. Case study: Lower Eşelnița Watershed (Banat, Romania); <i>Cristiana-Maria CIOCANEA, Athanasios-Alexandru GAVRILIDIS and Vasile BAGRINOVSKI</i>	47.
The current state of phyto-coenological research in the "Iron Gates" Danube Gorge (Banat, Romania); <i>Constantin DRĂGULESCU</i>	59.
Orchidaceae L. Family in the "Iron Gates" Park (Romania); <i>Sretco MILANOVICI</i>	65.
Particularities of the aquatic vegetation from Iron Gates Natura 2000 Site (Banat, Romania). <i>Irina GOIA and Adrian OPREA</i>	87.

Geographic origins of invasive alien species in “Iron Gates” Natural Park (Banat, Romania); <i>Irina GOIA, Cristiana-Maria CIOCANEA and Athanasios-Alexandru GAVRILIDIS</i>	115.
Land snail fauna of “Porțile de Fier” (“Iron Gates”) Nature Park; <i>Voichița GHEOCA</i>	131.
Preliminary data on the ecological requirements of the invasive Spiny-Cheek crayfish in the lower Danube; <i>Mălina PÎRVU and Angheluță VĂDINEANU</i>	139.
Benthic macroinvertebrate communities in the northern tributaries of the “Iron Gates” Gorge (Danube River); <i>Angela CURTEAN-BĂNĂDUC</i>	151.
The “Porțile de Fier/Iron Gates” Nature Park (Romania) some Danube northern tributaries fish fauna; <i>Doru BĂNĂDUC and Angela CURTEAN-BĂNĂDUC</i>	165.
“Porțile de Fier”/“Iron Gates” Gorges area (Danube) fish fauna; <i>Doru BĂNĂDUC, Angela BĂNĂDUC, Mirjana LENHARDT and Gabor GUTI</i>	171.
Analysing landscape fragmentation and classifying threats for habitats of Community interest in the “Iron Gates” Natural Park (Romania); <i>Mihăiță-Julian NICULAE, Mihai Răzvan NIȚĂ and Gabriel VANĂU</i> ...	197.
Spatial and temporal dynamic of rural and urban lanscapes identified in the “Iron Gates” Natural Park; <i>Mihăiță-Julian NICULAE, Mihai Răzvan NIȚĂ, Gabriel VANĂU, Cristiana CIOCANEA and Athanasios GAVRILIDIS</i>	211.

CONTENTS

Preface;
The Editors

BIOTOPES

Using airborne LiDAR for detection and morphologic analysis of waterbodies obscured by the forest canopy;
Anamaria ROMAN, Tudor-Mihai URSU, Sorina FĂRCAȘ, Vlad-Andrei LĂZĂRESCU and Coriolan Horațiu OPREANU 1.

Landscape factors influencing diversity of habitat conditions across a watercourse in the vicinity of Tomaszów Lubelski city in the Roztocze region, south – eastern Poland;
Joanna SENDER and Weronika MAŚLANKO 15.

BIOCOENOSIS

The distributional data of Simuliidae (Insecta, Diptera) species in Yeşilirmak River (Turkey);
Özge BAŞÖREN and Nilgün KAZANCI 29.

Review of Parasitic Copepods recorded in fish from Turkey;
Ahmet ÖKTENER 39.

ECOSYSTEMS

Algal bio-indication in assessment of hydrological impact on ecosystem in wetlands of Slavyansky Resort;
Valentina KLYMIUK, Sophia BARINOVA and Andrii FATIUKA 63.

Food and feeding of fishes. What do we need to know?
Surjya Kumar SAIKIA 71.

A statistical model for estimation of ichthyofauna quality based on water parameters in Oituz Basin (Carpathians);
Carmen Violeta POPESCU, Dorel URECHE and Elena NECHITA 85.

# HUMAN IMPACT	
Illegal fishing in southern Mannar Island coastal area (Sri Lanka); <i>Augustin Siluvaithasan SOSAI</i>	95.
Effect of industrial wastewater on fish in Karoon River; <i>Zahra KHOSHNOOD and Reza KHOSHNOOD</i>	109.
# PROTECTION AND CONSERVATION	
The Demographic success of <i>Marsilea quadrifolia</i> L. in a Man-Made water from Danube Delta Biosphere Reservation; <i>Daniela STRAT</i>	121.
Basic aspects for the ecological restoration of urban water courses <i>Ulrike BART, Clemens GUMPINGER and Christian SCHEDER</i>	133.
Management elements proposals for Sutla Natura 2000 site (Croatia); <i>Doru BĂNĂDUC and Angela CURTEAN-BĂNĂDUC</i>	143.
<i>Sabanejewia aurata</i> fish communities management decisions support system for ROSCI0132 (Olt River basin); <i>Angela CURTEAN-BĂNĂDUC, Cristina-Ioana CISMAȘ and Doru BĂNĂDUC</i>	153.
Management of alluvial forests included in Natura 2000 91E0 Habitat type in Maramureș Mountains Nature Park; <i>Oana DANCI</i>	163.
Determining the reference ephemeroptera communities in the eastern part of Black Sea region for the implementation of the Water Framework Directive in Turkey; <i>Gencer TÜRKMEN and Nilgün KAZANCI</i>	177.

CONTENTS

Preface;
The Editors

BIOTOPE

Profiling suspensions in natural water by a simplified dynamic light scattering procedure;
Dan CHICEA and Liana-Maria CHICEA 1.

Microhabitat preferences of Phaeophyta on shore platform of Dwarka, Gujarat Coast, India;
Dimpal SANGHVI, Nandini RAY CHAUDHURY and Bhanukumar JAIN 11.

BIOCOENOSIS

Wetland algal communities from Balta Mică a Brăilei Nature Park (Romania);
Mihaela Hrisa FLORESCU, Maria Magdalena MAXIM, Laura MOMEU, Mirela CÎMPEAN and Karina Paula BATTES 23.

Habitatele cu *Ephedra distachia* de pe dunele de la Letea din Delta Dunării (Romania);
Erika SCHNEIDER-BINDER and Felizia KUHLCKE 45.

Some morphological characters of female of *Mothocya epimerica* Costa, 1851 (Flabellifera: Cymothoidae) from Sea of Marmara;
Ali ALAŞ, Ahmet OKTENER and Dilek TÜRKER 57.

Report on *Euphyctis hexadactylus* from Vengaiwasal Lake (Tamilnadu, India)
Ravichandran RAMANIBAI and Sivalingam GOVINDAN 65.

Length-weight relationship of some fish species in a tropical rainforest river in southeast Nigeria;
Godwin ADAKA, Eunice NDUKWE and Anthony NLEWADIM 73.

Preliminary results regarding the present morphometric characters of *Scardinius racovitzai* Müller 1958 from “Peţea Spring” Natural Reserve;
Gabriela GRIGORAŞ, Tamás MULLER, Adrian GAGIU and Ionuţ BONTAŞ 79.

# ECOSYSTEMS	
Biotope determinants of EPT assemblages structure – Târnavă Watershed (Transylvania, Romania) case study; <i>Angela CURTEAN-BĂNĂDUC</i>	95.
# HUMAN IMPACT	
Water quality and haematological indices of <i>Clarias gariepinus</i> from Ogun River, Nigeria; <i>Olaniyi Alaba OLOPADE, Iyabode Olusola TAIWO, Comfort Opeoluwa OLUWOLEAND and Justin A. AKANKALI</i>	105.
Climate changes and adaptation of some marine organisms – Persian Gulf study case; <i>Zahra KHOSHNOOD, Mehdi GHOBETIHASAB and Ali HAJINAJAF</i>	113.
Impact of the Low Head Dam/Barrage on fisheries – a case study of Giri River of Yamuna Basin (India); <i>Harcharan Singh RUMANA, Veliachamy JEEVA and Sudir KUMAR ..</i>	119.
# PROTECTION AND CONSERVATION	
<i>Eudontomyzon danfordi</i> (Regan, 1911) ecological status and management in Maramureş Mountains Nature Park. <i>Doru BĂNĂDUC, Oana DANCI and Angela CURTEAN-BĂNĂDUC ..</i>	139
Compliance with ichthyofaunal diversity conservation measures in lake Lanao, Lanao del Sur Province (Philippines); <i>Misael Mohamad SANGUILA and Carmelita Garcia HANSEL</i>	155.
Developing system for fish fauna migration above the spillway sill near the city Hall of Oradea <i>Răzvan VOICU and Liliana VOICU</i>	169.
Environmental aspects of implementation of micro-hydro power plants – a short review; <i>Angela CURTEAN-BĂNĂDUC, Skyler PAULI, Doru BĂNĂDUC, Alexander DIDENKO, Joana SENDER, Saša MARIĆ, Pablo DEL MONTE, Zahra KHOSHNOOD and Shafiq ZAKEYUDDIN</i>	179.

CONTENTS

Preface;
The Editors

Bacterioplankton from two Hungarian Danube River Wetlands (Beda-Karapanca, Danube-Drava National Park) and its relations to environmental variables;
Hristina KALCHEVA, Mária DINKA, Edit ÁGOSTON-SZABÓ, Árpád BERCZIK, Roumen KALCHEV, Nikolett TARJANYI and Anita KISS 1.

Trophic relationships and status of reservoirs with and without occurrence of *Dreissena* spp. (Mollusca, Bivalvia) built on Bulgarian Danube River tributaries;
Roumen KALCHEV, Mihaela BESHKOVA and Hristina KALCHEVA 13.

The effect of *Dreissena polymorpha* on bacterioplankton, nematode fauna and their relations to environmental factors in Ogosta Reservoir (Danube Basin);
Hristina KALCHEVA, Stefan STOICHEV, Mihaela BESHKOVA, Roumen KALCHEV, Marieta STANCHKOVA, Dimitar KOZUHAROV and Teodora TRICHKOVA 23.

Support system for the management of the *Sabanejewia aurata* (De Filippi, 1863) populations of the ROSCI0227 – Sighișoara-Târnava Mare;
Doru BĂNĂDUC, Ioana-Cristina CISMAȘ, Dan MIRICESCU and Angela CURTEAN-BĂNĂDUC 35.

Approaching the potential of world marine fish;
Pablo del MONTE-LUNA, Daniel LLUCH-BELDA, Francisco ARREGUÍN-SÁNCHEZ, Salvador LLUCH-COTA and Héctor VILLALOBOS-ORTIZ . 45.

Proposing a technical solution for restoring longitudinal connectivity in the Brădeni/Retiș accumulation area of Hârtibaciu River;
Răzvan VOICU, Kelly MILES, Robbin SOTIR, Angela CURTEAN-BĂNĂDUC and Doru BĂNĂDUC 57.

Measuring the extent of the environmental pollution in the waters of the Al-Diwani River by certain trace elements resulting from Al-Diwani textile factory using spectroscopic methods;
Mohauman Mohammad AL-RUFAIE 69.

Land-use change scenarios of chosen small water body – public participation for a new reality;
Weronika MAŚLANKO, Joanna SENDER and Agnieszka KUŁAK 85.

CONTENTS

Preface;
The Editors

A history of pebbles and silt – fluvial sediment transport, hydropower and technical expertise at the Austrian Danube and its tributaries;
Angelika SCHODER 1.

Trophic status and phytoplankton limitation conditions in a few Bulgarian and Hungarian Danube River wetlands;
Roumen KALCHEV, Árpád BERCEZIK, Michaela BESHKOVA, Mária DINKA, Hristina KALCHEVA, Anita KISS and ÁGOSTON-SZABÓ 19.

Nanoparticles ecotoxicity on *Daphnia magna*;
Reza KHOSHNOOD, Neamat JAAFARZADEH, Shahla JAMILI, Parvin FARSHCHI and Lobat TAGHAVI 29.

Trapping aliens: understanding the complexities of controlling introduced freshwater crayfish in the United Kingdom;
Emily ADAMS 39.

Thymallus thymallus (Linnaeus, 1758), ecological status in Maramureş Mountains Nature Park (Romania);
Angela CURTEAN-BĂNĂDUC and Doru BĂNĂDUC 53.

Proposal to achieve floodplain connectivity in Alţâna sector on Hârtibaciu River (Transylvania, Romania);
Răzvan VOICU, Linda HERON, Angela CURTEAN-BĂNĂDUC and Doru BĂNĂDUC 69.

A touristic concept of land management of Zaklików’s reservoir based on its natural values (South-Eastern Poland);
Joanna SENDER, Weronika MAŚLANKO and Milena KUK 81.

CONTENTS

Preface;
The Editors

The determination of some pollution parameters, water quality and heavy metal concentrations of Aci Lake (Karapinar/Konya, Turkey); <i>Cengiz AKKÖZ</i>	1.
Riparian vegetation on the left tributaries of the Danube along the “Clisura” cross valley; <i>Erika SCHNEIDER-BINDER</i>	21.
Reproductive biology of mangrove plants, <i>Clerodendrum inerme</i> , <i>Derris trifoliata</i> , <i>Suaeda maritima</i> , <i>Suaeda monoica</i> and <i>Suaeda nudiflora</i> ; <i>Jacob Solomon Raju ALURI, Rajendra KUMAR and Prasada Rao CHAPPIDI</i>	39.
Conservation status of some peat bogs in Maramureş County (Romania); <i>Oana DANCI</i>	77.
The river valleys as biodiversity reservoirs for land snails in highly anthropic areas – the case of Cislădie River (Romania); <i>Voichița GHEOCA</i>	91.

CONTENTS

Preface;
The Editors

The determination of some pollution parameters, water quality and heavy metal concentrations of Aci Lake (Karapinar/Konya, Turkey);
Cengiz AKKÖZ 1.

Habitats with Large Bitter Cress (*Cardamine amara* L.) in the spring area of Nera River (Semenic Mountains, Romania);
Erika SCHNEIDER-BINDER 19.

Associated fauna to *Eichhornia crassipes* in a constructed wetland for aquaculture effluent treatment;
Lúcia Helena SIPAÚBA-TAVARES, Bruno SCARDOELLI TRUZZI, Ana MILSTEIN and Aline MARCARI MARQUES 29.

Toxicity effects of cadmium in Grass Carp (*Ctenopharyngodon idella*) and Big Head Carp (*Hypophthalmichthys nobilis*);
Mohammad FOROUHAR VAJARGAH and Aliakbar HEDAYATI 43.

Effects of environmental pollution on fish: a short review;
Zahra KHOSHNOOD 49.

Present status of intertidal biodiversity in and around Mumbai (West coast of India);
Kulkarni BALASAHEB, Babar ASHOK, Jaiswar ASHOK and Kolekar RAHUL 61.

The status of *Romanogobio uranoscopus* (Agassiz, 1828) species, in Maramureş Mountains Nature Park (Romania);
Angela CURTEAN-BĂNĂDUC and Doru BĂNĂDUC 71.

Disambiguating praxis from practice in natural resource management: a practical space for enhancing experiential learning in the Eastern coast of Tanzania;
Daniel SABAI 85.

CONTENTS

Preface;
The Editors

Spatial dynamics of species richness of phytoplankton of lake Balkhash in the gradient of abiotic factors;
Sophia BARINOVA, Elena KRUPA and Ulrika KADYROVA 1.

The role of diaspore banks for the restoration of floodplain meadows. Results of a long term monitoring on the northern upper Rhine (Germany);
Erika SCHNEIDER-BINDER 19.

Distribution and abundance of *Artemia salina* in the Salt Lake basin (Central Anatolia, Turkey);
Ali ALAŞ, Murat KAYA and Ahmet ÖKTENER 37.

Evaluation of mosquito *Culex quinquefasciatus* mortality rate in the face of lethal concentration of deltamethrin and diazinon toxins;
Zeinab HOSSEINNIA, Reza TARKHANI, Fatemeh DARABITABAR, Mohammad POORHOSENI and Aliakbar HEDAYATI 45.

Improvement of lateral connectivity in a sector of river Hârtibaciu (Olt/Danube Basin);
Răzvan VOICU, Doru BĂNĂDUC, Eric KAY, Erika SCHNEIDER-BINDER and Angela CURTEAN-BĂNĂDUC 53.

Effect of vitamin E (DL-ALL-RAC-A-Tocopherol acetate) and nano particles of selenium on growth, survival, body composition and whole body glutathione peroxidase (GPX) and malondialdehyde (MDA) in *Rutilus kutum* (Kamensky, 1901);
Davoud TAHMASBI, Saeid GORGIN, Mohammad MAZENDARANI and Mohammad SUDAGAR 69.

The invasive raccoon dog (*Nyctereutes procyonoides*, Gray) – an update of its distribution on the Balkans;
Elitsa POPOVA and Diana ZLATANOVA 77.

Barbus meridionalis Risso, 1827 populations status in the Vişeu River basin (Maramureş Mountains Nature Park);
Doru BĂNĂDUC and Angela CURTEAN-BĂNĂDUC 83.

CONTENTS

Preface;
The Editors

Floristic diversity of lakes subjected to long term changes in the water network of the West Polesie (Eastern Poland);
Joanna SENDER and Weronika MAŚLANKO 1.

Reproductive ecology of *Acanthus ilicifolius* L., a non-viviparous mangrove associate in Coringa Mangrove Forest, Andhra Pradesh (India);
Jacob Solomon Raju ALURI, Rajes BETHAPUDI and Prasada Rao CHAPPIDI 17.

The Sea of Marmara: new locality for *Lepeophtheirus europaensis* Zedam, Berrebi, Renaud, Raibaut, Gabrion, 1988 (Copepoda, Siphonostomatoida, Caligidae) from Turkey;
Ali ALAŞ, Ahmet ÖKTENER and Dilek TÜRKER 29.

Fish composition and diversity in Perak, Galas and Kelantan rivers (Malaysia) after the major flood of 2004;
Amonodin MOHAMAD RADHI, Hashim ROHASLINEY and Hazrin ZARUL 41.

Fish fauna status of the Natura 2000 sites proposed as new or for extension in the rivers Someş and Mureş (Romania);
Aurel NĂSTASE and Vasile OŢEL 57.

The cavefish *Oreonectes jiarongensis* can be induced to differentiate and recover under the light condition;
Tielong XU, Huaiqing DENG and Jiang ZHOU 75.

Acute toxicity of butachlor to *Rutilus rutilus caspicus* and *Sander lucioperca* in vivo condition;
Mohammad FOROUHAR VAJARGAH and Aliakbar HEDAYATI 85.

Alien species of EU concern in Romania;
Paulina ANASTASIU, Cristina PREDA, Doru BĂNĂDUC and Dan COGĂLNICEANU 93.

CONTENTS

Preface;
The Editors

Statistical mapping and 3-D surface plots in phytoplankton analysis of the Balkhash Lake (Kazakhstan);
Elena KRUPA, Sophia BARINOVA, Lyubov PONAMAREVA and Vyacheslav TSOY 1.

Reproductive ecology of *Aegialitis rotundifolia* Roxb., a crypto-viviparous mangrove plant species in Krishna Mangrove Forest, Andhra Pradesh;
Jacob Solomon Raju ALURI and Henry Jonathan KARYAMSETTY 17.

Mollusc diversity al Pulicat Lagoon (India);
Ravichandran RAMANIBAI and Sivalingam GOVINDAM 31.

Antioxidant system of rapans under the action of copper ions and anionic detergent;
Oksana ERSHOVA, Valentin TOPTIKOV, Tatyana LAVRENYUK, Oleg KOVTUN and Vladlen TOTSKY 43.

A review of length-weight relationships of freshwater fishes in Malaysia;
Amonodin MOHAMAD RADHI, Mohd-Fadzil NURUL FAZLINDA, Mohammad Noor Azmai AMAL and Hashim ROHASLINEY 55.

Upper Caraş River (Danube Watershed) fish populations fragmentation – technical rehabilitation proposal;
Răzvan VOICU, Doru BĂNĂDUC, Lee BAUMGARTNER, Liliana VOICU and Angela CURTEAN-BĂNĂDUC 69.

The human impact and the aquatic biodiversity of lake Bosomtwe: renaissance of the cultural traditions of Abono (Ghana)?
Dickson ADOM 87.

CONTENTS

Preface;
The Editors

The role of planktonic algae in the ecological assessment of storage-reservoirs of the Ili-Balkhash Basin (Kazakhstan);
Sophia BARINOVA, Elena KRUPA and Sophia ROMANOVA 1.

Ambophily in the dioecious weedy mangrove associate, *Excoecaria agallocha* (Euphorbiaceae);
Henry Jonathan KARAMSETTY and Jacob Solomon Raju ALURI 15.

Microbiological leaching; an environmentally friendly and cost effective method for extraction of metals;
Mehdi GHOBEITI-HASAB and Zahra KHOSHNOOD 29.

An indigenous species, *Dreissena polymorpha* (Pallas, 1771) (Mollusca, Bivalvia), as an invader in lake Büyük Akgöl;
Naime ARSLAN, Seval KÖKMEN-ARAS and Deniz MERCAN 39.

Aquatic and semiaquatic Heteroptera (Nepomorpha) from the Strei River basin (Romania);
Daniela ILIE and Horea OLOSUTEAN 51.

Diversion of fishing pressure on the economically important species *Barbus barbus* (Linnaeus, 1758) to protect the community interest congeneric *Barbus meridionalis* Risso 1826, based on a decision-support management system;
Cristina CISMAŞ, Doru BĂNĂDUC and Angela CURTEAN-BĂNĂDUC 63.

Using fishers knowledge in community based fisheries management in the river Nun Estuary, Niger Delta;
Sabina NGODIGHA, Roland GBARABE and Ayeibatonworio AUGUSTINE 75.

Natural values of the urban river valley and the possibilities of its development – Bystrzyca River valley study case (Poland);
Joanna SENDER and Weronika MAŚLANKO 85.

CONTENTS

Preface; <i>The Editors</i>	
Bioindication of water properties by algal communities in the Pamir high mountain mineral and thermal springs; <i>Toirbek NIYATBEKOV and Sophia BARINOVA</i>	1.
Reproductive ecology of <i>Brugera cylindrica</i> (L.) Bl. (Rhizophoraceae), a true viviparous mangrove tree species in Coringa mangrove forest, Andhra Pradesh, (India); <i>Jacob Solomon Raju ALURI and Henry Jonathan KARYAMSETTY</i>	31.
Aquatic macrophyte communities of the Gorgova-Isac-Uzlina area (Danube Delta, Romania); <i>Erika SCHNEIDER-BINDER</i>	39.
Morphology of <i>Lernanthropinus trachuri</i> (Brian, 1903) (Copepoda, Siphonostomatoida, Lernanthropidae) from Bandirma Bay (Turkey); <i>Ahmet OKTENER</i>	57.
Land snail communities in limestone gorges from the Southern part of the Metaliferi Mountains (Apuseni Mountains, Romania); <i>Voichița GHEOCA and Lorena POPESCU</i>	67.
Technical solutions to mitigate shifting fish fauna zones impacted by long term habitat degradation in the Bistra Mărului River – a case study; <i>Angela CURTEAN-BĂNĂDUC, Răzvan VOICU, Sasa MARIĆ, Lee Jason BAUMGARTNER, Alexandru DOBRE and Doru BĂNĂDUC</i>	75.

CONTENTS

Preface;
The Editors

Green and Charophyte algae in bioindication of water quality of the Shah Alam River (District Peshawar, Pakistan);
Izaz KHURAM, Zahir MUHAMMAD, Nadeem AHMAD, Rehman ULLAH and Sophia BARINOVA 1.

Habitat preference of Phaeophyceae species: *Iyengaria stellata* (Børgesen) Børgesen (1939) in Gujarat coast (India);
Dimpal SANGHVI, Nandini Ray CHAUDHURY and Bhanukumar JAIN 17.

Factors that determine the adoption of scientific indicators in community-based monitoring of mangrove ecosystems in Tanzania;
Daniel SABAI 29.

Flash-floods influence macroinvertebrate communities distribution in lotic ecosystems;
Octavian PACIOGLU, Alina SATMARI, Milca PETROVICI, Mălina PÎRVU, Mirela CÎMPEAN, Karina Paula BATTES, Sandra Florina LELE, Angela CURTEAN-BĂNĂDUC and Lucian PÂRVULESCU 45.

The disappearance of male secondary sexual characteristics in the typical cave species in *Triplophysa*;
Jun LIANG and Jiang ZHOU 57.

Heavy metal concentration in eight fish species from Epe Lagoon (Nigeria);
Iyabode Olusola TAIWO, Olaniyi Alaba OLOPADE and Nathanael Akinsafe BAMIDELE 69.

Gobio genus species integrated management system – Târnava rivers study case (Transylvania, Romania);
Angela CURTEAN-BĂNĂDUC, Cristina-Ioana CISMAȘ and Doru BĂNĂDUC..... 83.

CONTENTS

Preface;
The Editors

Characteristics of dissolved organic nitrogen in municipal and biological nitrogen removal wastewater treatment plants in Jordan;
Mohammed Ali WEDYAN, Esam ONASIS, Khalil ALTAIF and Abdel Rahman AL-TAWAHA 1.

Pollination ecology of the species *Mollugo cerviana* (L.) Ser. (Molluginaceae);
Sulakshana MADDALA and Jacob Solomon Raju ALURI 13.

Particularities of Grey alder (*Alnus incana*) stands in riparian galleries along streams of the Southern Transylvanian Tableland (Romania);
Erika SCHNEIDER-BINDER 23.

The distribution of the alien species *Penaeus aztecus* Ives, 1891 (Decapoda, Penaidae) in the Mediterranean Sea;
Tahir ÖZCAN, Abdullah Suat ATEŞ and Gülnaz ÖZCAN 41.

Morphology of the genus *Gymnocephalus* (Pisces) from the lower Danube River;
Cecilia ŞERBAN and Gabriela GRIGORAŞ 49.

Distribution revisited- fifteen years of changes in the invasion of a freshwater fish, *Pseudorasbora parva* (Temminck and Schlegel, 1846) in Turkey;
Gülnaz ÖZCAN and Ali Serhan TARKAN 69.

Management elements for two Alburninae species, *Alburnus alburnus* (Linnaeus, 1758) and *Alburnoides bipunctatus* (Bloch, 1782) based on a decision-support system study case;
Angela CURTEAN-BĂNĂDUC, Ioana-Cristina CISMAŞ and Doru BĂNĂDUC 81.

CONTENTS

Preface;
The Editors

Using dynamic light scattering for monitoring the size of the suspended particles in wastewater;
Dan CHICEA and Silviu Mihai REI 1.

Water, sanitation and its impact on environment and human being – a case study;
Harcharan Singh RUMANA and Ramesh Chandra SHARMA 11.

Pollination ecology characteristics of *Barringtonia racemosa* (L.) Spreng. (Lecythidaceae);
Jacob Solomon Raju ALURI, Suvarna Raju PALATHOTI, Dileepu Kumar BANISETTI and Sravan Kumar SAMAREDDY 27.

Is *Peniculus fistula fistula* Nordmann, 1832 reported on *Coryphaena hippurus* Linnaeus, 1758 from Turkey? Updated data with further comments and considerations;
Ahmet ÖKTENER and Murat ŞIRIN 35.

Wetlands and their fish diversity in Assam (India);
Devashih KAR 47.

A return to the Ghanian cultural values of closed fishing season in Ghana’s artisanal marine fishing: an essential means of restoring small pelagic fish stocks;
Dickson ADOM, Paul Appiah SEKYERE and Lily YARNEY 95.
