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**“EKOLOGIA POLSKA” (POLISH JOURNAL OF ECOLOGY)  
– BIBLIOGRAPHY AND INDEX TO VOLUMES I–XXV (1953–1977)**

**ABSTRACT:** The bibliography presents the output of the journal in connection with its 25th anniversary, and it consists of three major parts: (1) list of titles, (2) authors' index, and (3) subject index.

**KEY WORDS:** Ecological bibliography, journal “Ekologia Polska”.

**Contents**

1. Introduction
2. List of titles
3. Authors' index
4. Subject index
  - 4.1. Habitats
  - 4.2. Groups and taxons
  - 4.3. Ecological units and problems
  - 4.4. Applied ecology

**1. INTRODUCTION**

The aim of the bibliography is to present the output of the journal in connection with its 25th anniversary. Taking into account the changes of the title and of the nature of the journal, the bibliography comprises:

“Ekologia Polska” (Polish Ecology), a quarterly:

Vol. I: 1953, Nos. 1–4

Vol. II: 1954, Nos. 1–4

“Ekologia Polska Seria A” (Polish Ecology Series A), a non-periodical publication:

Vol. III: 1955, Nos. 1–10

Vol. IV: 1956, Nos. 1–13

Vol.	V.: 1957, Nos. 1–10
Vol.	VI: 1958, Nos. 1–8
Vol.	VII: 1959, Nos. 1–16
Vol.	VIII: 1960, Nos. 1–16
Vol.	IX: 1961, Nos. 1–27
Vol.	X: 1962, Nos. 1–20
Vol.	XI: 1963, Nos. 1–30
Vol.	XII: 1964, Nos. 1–36
Vol.	XIII: 1965, Nos. 1–32
Vol.	XIV: 1966, Nos. 1–39
Vol.	XV: 1967, Nos. 1–47
Vol.	XVI: 1968, Nos. 1–44
Vol.	XVII: 1969, Nos. 1–44

“Ekologia Polska” (Polish Journal of Ecology), a non-periodical publication:

Vol.	XVIII: 1970, Nos. 1–40
Vol.	XIX: 1971, Nos. 1–47
Vol.	XX: 1972, Nos. 1–50
Vol.	XXI: 1973, Nos. 1–53

“Ekologia Polska” (Polish Journal of Ecology), a quarterly:

Vol.	XXII: 1974, Nos. 1, 2 and 3/4
Vol.	XXIII: 1975, Nos. 1–4
Vol.	XXIV: 1976, Nos. 1–4
Vol.	XXV: 1977, Nos. 1–4

The present bibliography reflects, to certain degree, an analogous publication presenting 20-years' output of the journal “Polskie Archiwum Hydrobiologii” (Polish Archives of Hydrobiology)<sup>1</sup>. It consists of three major parts: (1) list of titles, (2) authors' index and (3) subject index.

Serious difficulties had to be overcome when preparing the subject index, because of the lack of good – logical and simple – ecological problem classification systems from which to work. The existing classification systems are either too general, or too complex.

In the subject index problems have been divided into four major groups: (1) habitats, (2) groups and taxons, (3) ecological units and problems, (4) applied ecology. Within the groups problems are in alphabetic order. Each paper in the journal has been assigned to several, or even more than ten problems.

The first problem group comprises specifications of the basic types of aquatic and terrestrial ecosystems (lakes, rivers, ponds, forests, grasslands, etc.). In some cases ecosystems have been divided into zones (e.g., littoral, pelagial and profundal zones in the lakes), or their types have been described in more detail (e.g., various types of crops within cultivated fields). Special types of habitat have also been identified, e.g., brackish waters, caves, dunes, shelterbelts, etc. Assigning papers to this problem group was not really very difficult.

More difficult, however, was the assignment of individual papers to be referenced in the second part of the subject index. In this case problems were arranged in groups of flora and

<sup>1</sup>Zajdel M., Kamler E. 1973 – Polskie Archiwum Hydrobiologii (Polish Archives of Hydrobiology). I–XX (1953–1973). Index – Pol. Arch. Hydrobiol. 20: 1–23.

fauna. For example, soil microflora, soil invertebrates (these were in fact treated in a broad sense, inclusive of epigeic invertebrates and invertebrates living in the litter layer), littoral invertebrates, etc. Then various taxonomic units were specified for referencing.

References to species names were made in two situations: (1) when a species name was included in the title of the paper, and (2) when it represented the main object of the paper, even though it was not included in the title. The maximum number of species names per taxonomic group to be referenced was three. This limitation was necessary, because references to all the species dealt with in the papers would have immensely inflated the index.

When referencing higher taxonomic units, care was taken to reference first of all those groups that have traditionally been the object of studies. For this reason, the subject index contains entries for taxonomic units varying in rank. In case of the very common groups it was decided not to specify the latin names, and, therefore, the subject index contains entries such as: ants, birds, mosquitoes, spiders, etc.

Thus the information about the particular species and higher taxonomic units is not complete, references being made to only the major papers concerned with them. The second part of the subject index contains the largest number of entries.

Most difficult was the classification of papers for referencing from the third part of the subject index, entitled "Ecological units and problems". Specified in it are ecological units (populations, associations, communities), ecological systems of the types predator-prey, and parasite-host, and various detailed problems. Care was taken on the one hand to avoid problem entry specifications that are too general (e.g., autecology, distribution, numbers), because a great deal of papers would have to be referenced by them, and on the other hand, to avoid too detailed problem entry specifications.

Needless to say how much subjectivism there will always be in such an approach. Another source of difficulties was the fact that, as a result of the lack of clear-cut criteria, the interlinks between problems and their hierarchy were not always clear. Although problem specifications are arranged in alphabetic order, an attentive and critical Reader may find inconsistencies. In many instances the division into invertebrates and vertebrates, and into aquatic and terrestrial habitats was used, since this seemed useful. Not all the entries included in this extensive and non-homogeneous part of the subject index are strictly of an ecological nature. This becomes understandable if the fact is taken into account that published in the journal were not only papers dealing with ecology, but also those concerned with related sciences.

Finally, the fourth part of the subject index contains references to papers directly or indirectly related to the various fields of practical importance (e.g., agriculture, fishery, forestry, etc.). This approach was also encumbered with a considerable subjectivism.

Being aware of the fact that the subject index contained in the bibliography is not free of inconsistencies, and even errors, the author hopes that there are more advantages than disadvantages, and that the subject index will prove useful, that is to say, will meet two main objectives: (1) will provide information on the nature of the papers published in 25 volumes of "Ekologia Polska", and (2) will encourage the Reader to look in these papers. For even a perfect subject index can never replace detailed reading of the papers, this being the only way to obtaining complete information.

## 2. LIST OF TITLES

Vol. I: 1953

## No. 1

- O. O d R e d a k c j i [From Editors] — p. 5–6.
1. Matuszkiewicz W., Krankowska-Sznajder B., Matuszkiewicz A., Traczyk T., Uziak Z., Warakomska Z. — Obserwacje nad wartością osmotyczną roślin zielnych w zespołach leśnych Białowieckiego Parku Narodowego [Über die osmotischen Werte einiger Pflanzenarten in den Waldassoziationen von Białowieża-Nationalpark] — p. 7–44. [In Polish; Russian and German summaries]
  2. Dąbrowski M. J. — Badania nad biomasą runa prowadzone przez Filię Instytutu Badawczego Leśnictwa w Białowieży [The studies on the biomass of field-stratum carried on by the branch of IBL at Białowieża] — p. 45–56. [In Polish; Russian and English summaries]
  3. Kuźniar K. — O przyrodniczych podstawach obliczania drobnoustrojów w glebie [About natural basis of quantitative estimation of soil microorganisms] — p. 57–66. [In Polish; Russian and English summaries]
  4. Łazowska M. — Zespoły wodopójek górnego litoralu kilku jezior mazurskich [Associations of water mites of the upper littoral of some Mazurian lakes] — p. 67–82. [In Polish; Russian and English summaries]
  5. Galinat A. — Badania doświadczalne nad wpływem stężenia jonów wodorowych na rozwój jaj zatoczka *Planorbis corneus* L. [The experimental studies of influence of hydrogen ion concentration on the development of *Planorbis* eggs] — p. 83–97. [In Polish; Russian and English summaries]

## No. 2

6. Matuszkiewicz W., Uziak Z., Warakomska Z. — Obserwacje nad ciśnieniem osmotycznym roślin zielnych w zespołach leśnych północnego Roztocza [Ueber die osmotischen Werte von Krautpflanzen in einigen Waldgesellschaften von Nord-Roztocze in Polen] — p. 5–28. [In Polish; Russian and German summaries]
7. Olszewski P. — Kilka przekrojów chemicznych z jezior Pojezierza Mazurskiego [Certain chemical characteristics of Mazurian lakes] — p. 29–47. [In Polish; Russian and English summaries]
8. Gałęcka B. — Obserwacje nad czynnikami redukującymi populacje mszyc w środowiskach naturalnych [Les facteurs régulation du peuplement des pucerons des milieux naturels] — p. 49–68. [In Polish; Russian and French summaries]
9. Kaczmarek W. — Badania nad zespołami mrówek leśnych [Research on associations of forest ants] — p. 69–96. [In Polish; Russian and English summaries]
10. Rybicki M. — Znaczenie roślin zielonych w życiu owadów. I. Wpływ zamiany pokarmu roślinnego na czas rozwoju i ciężar ciała gąsienic: *Mimas tiliae* L. (*Sphingidae*) i *Phalera bucephala* L. (*Notodontidae*) [The significance of green plants in insect life. I. Influence of change of nutritive material on the development and body weight of larvae: *Mimas tiliae* L. and *Phalera bucephala* L.] — p. 97–128. [In Polish; Russian and English summaries]

## No. 3

11. Kozłowski S. — Pierwsze doniesienie o stosunkach ilościowych panujących wśród populacji kleszczy *Ixodes ricinus* (L.) [Preliminary results on quantitative relations existing in the tick *Ixodes ricinus* (L.) population] — p. 5–16. [In Polish; Russian and English summaries]
12. Kuźniar K. — Wpływ styku lasu na mikroflorę gleb uprawnych [The influence of the forest border upon the microflora of cultivated soils] — p. 17–39. [In Polish; Russian and English summaries]
13. Kuźniar K. — Energia rozkładu błonnika w strefie styku pola uprawnego z lasem [The energy of cellulose decomposition in the soils of the border of cultivated field and forest] — p. 41–53 [In Polish; Russian and English summaries]
14. Sandner H. — Z badań nad wodami słonawymi w Polsce. Ekologia pijawek (*Hirudinea*) jezior: Łebsko i Sarbsko [Studies on brackish waters in Poland. Ecology of leeches (*Hirudinea*) found in the lakes Łebsko and Sarbsko] — p. 55–72. [In Polish; Russian and English summaries]
15. Łosiński J. — Studia nad drobną fauną gleby pól uprawnych. I. Dynamika populacji *Apterygota* [Studies on small soil fauna of cultivated fields. I. Dynamics of the *Apterygota* population] — p. 73–103. [In Polish; Russian and English summaries]

## No. 4

16. Matuszkiewicz A. — Obserwacje fitosocjologiczne nad lasoborami (*Quercion roboris*) w okolicach Lublina [Pflanzensoziologische Beobachtungen über die *Quercion roboris*-Gesellschaften in der Umgebung von Lublin (Polen)] — p. 5–29. [In Polish; Russian and German summaries]
17. Kuźniar K. — Wpływ ukształtowania terenu na aktywność biologiczną lessowych gleb uprawnych [The influence of the relief upon the biological activity of cultivated loess soils] — p. 31–55. [In Polish; Russian and English summaries]
18. Łuczak J. — Zespoły pajaków leśnych [Associations of forest spiders] — p. 57–94. [In Polish; Russian and English summaries]
19. Wilusz Z. — Wstępne badania nad charakterystyką niektórych środowisk *Populus euramericana marilandica* Bosc. [Vorläufige Beobachtungen über die Charakteristik von einigen *Populus euramericana marilandica* Bosc.-Standorten] — p. 95–123. [In Polish; Russian and German summaries]
20. Czaplínska S. — Badanie rocznej dynamiki rozwojowej mykorhizy ciemierzycy i zimowita jesienno. Doniesienie [Untersuchungen der jährlichen Entwicklungsdynamik der Mykorhiza bei *Veratrum album* var. *lobelianum* Bernh. und *Colchicum autumnale* L. Vorläufige Mitteilung] — p. 125–135. [In Polish; Russian and German summaries]
21. Kuźniar K. — Rozkład błonnika przez drobnoustroje w glebie leśnej w okresie zimowym. Doniesienie [Cellulose decomposition by the microorganisms in forest soil in winter. Preliminary note] — p. 137–140. [In Polish; Russian and English summaries]

## Vol. II: 1954

## No. 1

22. Matuszkiewicz A., Matuszkiewicz W. — Wstępna charakterystyka fitosocjologiczna lasu „Ruda“ w Puławach [L'étude préliminaire phytosociologique de la forêt „Ruda“ près de Puławy] — p. 5–22. [In Polish; Russian and French summaries]
23. Warteresiewicz M. — Charakterystyka mikrobiologiczna niektórych gleb leśnych województwa krakowskiego [The microbial characteristics of some forest soils of Kraków province] — p. 23–32. [In Polish; Russian and English summaries]
24. Matuszkiewicz A., Matuszkiewicz W. — Die Verbreitung der Waldassoziationen des Nationalparks von Białowieża — p. 33–60.
25. Patalas K. — Zespoły skorupiaków pelagicznych 28 jezior pomorskich [Pelagic crustacean complexes of 28 Pommeranian lakes] — p. 61–92. [In Polish; Russian and English summaries]
26. Gromadska M. — Przyłżeńce kwiatów biotopu wydmowego (Próba analizy ekologicznej) [Thysanopteran flower-fauna of sand-dune biotope (An essay on ecological characteristics)] — p. 93–137. [In Polish; Russian and English summaries]
27. Grębecki A., Kinastowski W., Kuźnicki L. — Doniesienie z badań nad ekologią larwy chruścika *Molanna angustata* Curt. Doniesienie [A report on the ecology of the caddis-fly larvae *Molanna angustata* Curt. Preliminary note] — p. 139–145. [In Polish; Russian and English summaries]

## No. 2

28. Pachlewski R. — Badania mykotrofizmu jesionu wyniosłego (*Fraxinus excelsior* L.) z uwzględnieniem warunków ekologicznych i fitocenotycznych [Untersuchungen über den Mykotrophismus der Esche (*Fraxinus excelsior* L.) in verschiedenen ökologischen und pflanzensoziologischen Lebensbedingungen] — p. 151–164. [In Polish; Russian and German summaries]
29. Pohl Z. — Wpływ odwodnienia łągów nadodrzańskich na rozwój sąsiadujących z nimi drzewostanów sosnowych [Der Einfluss der Abwässerung der Niederungswiesen an der Obra auf die Entwicklung der mit ihnen benachbarten Kieferwaldbestände] — p. 165–202. [In Polish; Russian and German summaries]
30. Dąbrowska E., Tarwid K. — Uwagi o występowaniu zespołów komarów leśnych w Puszczy Kampinoskiej [Remarks on the occurrence of forest mosquito associations in the Kampinos Forest] — p. 203–214. [In Polish; Russian and English summaries]
31. Ryszkowski L. — Tworzenie się skupisk czapli w okresie koczowania [Forming of massings of herons during the period of migration] — p. 215–229. [In Polish; Russian and English summaries]

32. P a t a l a s K. — Porównawcze badania nad nowym typem samoczynnego czerpacza planktonowego i hydrochemicznego [Comparative studies on a new type of self acting water sampler for plankton and hydrochemical investigations] — p. 231–242. [In Polish; Russian and English summaries]

## No. 3

33. M a t u s i a k K. — Badania mikrobiologiczne stawów doświadczalnych w Landeku i Gołysz [Microbiological studies on experimental ponds in Landek and Gołysz] — p. 247–270. [In Polish; Russian and English summaries]
34. S t a r m a c h K. — Krzywe zbuforowania w zastosowaniu do charakterystyki wód powierzchniowych, a w szczególności stawów [The curves of buffer effect as applied to surface water characteristics with special emphasis on ponds] — p. 271–288. [In Polish; Russian and English summaries]
35. K u ź n i a r K. — Kształtowanie się wilgotności gleby leśnej i uprawnej w zależności od niektórych czynników ekologicznych [The influence of some ecological factors upon the humidity percentage in forest and cultivated soils] — p. 289–322. [In Polish; Russian and English summaries]

## No. 4

36. C h o d z i c k i E. — Wstępne porównanie wiosennej aktywności mikrobiologicznej gleb w niektórych ugrupowaniach typów lasów górskich [Introductory comparison of spring microbiological activity of mountain soils in some groups of forest types] — p. 327–378. [In Polish; Russian and English summaries]
37. P i n o w s k i J. — Wpływ obszarów zadrzewionych na awifaunę terenów otwartych i związane z tym zagadnienia adaptacji populacyjnych [The influence of afforested regions on avifauna of open areas and on adaptations of the bird populations] — p. 379–446. [In Polish; Russian and English summaries]
38. Ł u c z a k J. — Dwa zespoły pajaków [Two spider associations] — p. 447–463. [Preliminary note. In Polish; Russian and English summaries]
39. R i a b i n i n S. — Uwagi o wtórnej faunie żerowisk owadzich [Bemerkungen über die Sekundärfauna der Insektenfrasstellen] — p. 465–472. [Preliminary note. In Polish; Russian and German summaries]
40. B o c z e k J. — Metoda hodowli małych owadów i roztoczy w kontrolowanych warunkach wilgotności powietrza [The rearing method of small insects and mites in controlled conditions of air humidity] — p. 473–476. [Preliminary note. In Polish; Russian and English summaries]
41. C z a r n e c k i Z., F o k s o w i c z T. — Obserwacje dotyczące składu pokarmu myszołowa zwyczajnego (*Buteo buteo* (L.)) [Observations on the composition of the feed of buzzard (*Buteo buteo* (L.))] — p. 477–484. [Preliminary note. In Polish; Russian and English summaries]

## Vol. III: 1955

42. M i k u l s k i J. S. (Red.-Ed.) — Jezioro Druzno — próba charakterystyki limnologicznej. Doniesienie tymczasowe [Lake Druzno — a survey of the limnological characteristics. A preliminary note] — No. 1, p. 1–31. [In Polish; Russian and English summaries]
43. M i k u l s k a I. — Rozmieszczenie pajaków w pasie nadbrzeżnym jeziora Wigry [Distribution of spiders in the shoreline belt of Lake Wigry] — No. 2, p. 33–64. [In Polish; Russian and English summaries]
44. K a c z m a r e k W. — W sprawie czynników kształtujących lokalne migracje stonki ziemniaczanej *Leptinotarsa decemlineata* Say. Doniesienie tymczasowe [Zur Frage der Faktoren, welche die lokale Migration des Kartoffelkäfers (*Leptinotarsa decemlineata* Say) bedingen. Vorläufige Mitteilung] — No. 3, p. 65–83. [In Polish; Russian and German summaries]
45. T o m a s z e w s k i C. — Badania nad wpływem mikroprądów wody na larwy *Tinodes waeneri* L. (*Trichoptera*) [Studies on the influence of water microcurrents on *Tinodes waeneri* L. (*Trichoptera*)] — No. 4, p. 85–99. [In Polish; Russian and English summaries]
46. C z a p l i Ń s k a S. — Wyniki badań nad mikotrofizmem *Cucurbitaceae*. Doniesienie tymczasowe [Untersuchungsergebnisse am Mykotrophismus der in Polen kultivierten *Cucurbitaceae*-Arten. Vorläufige Mitteilung] — No. 5, p. 101–106. [In Polish; Russian and German summaries]
47. K a c z m a r e k W. — Z badań nad naturalną redukcją populacji *Leptinotarsa decemlineata* Say w warunkach polowych [Research on natural control of the population *Leptinotarsa decemlineata* Say under field conditions] — No. 6, p. 109–179. [In Polish; Russian and English summaries]

48. Spodniewska I. — Plankton jeziora Tajty [The plankton of Lake Tajty] — No. 7, p. 181–228. [In Polish; Russian and English summaries]
49. Strawiński K. — Stosunki biocenotyczne między pluskwiakami (*Heteroptera*) a ziemniakiem (*Solanum tuberosum* L.) [The biocenotic relations between Heteroptera and *Solanum tuberosum* L.] — No. 8, p. 229–246. [In Polish; Russian and English summaries]
50. Węgorzek W. — Badania nad wiosennymi rozlotami stonki ziemniaczanej (*Leptinotarsa decemlineata* Say) i możliwością koncentracji chrząszczy [Investigations on spring migrations of the Colorado beetle (*Leptinotarsa decemlineata* Say) and possibilities of combating the insect] — No. 9, p. 247–277. [In Polish; Russian and English summaries]
51. Truszkowska W., Narkiewicz-Jodko J. — Dynamika rozwoju mykorhiz *Populus euramericana marilandica* Bosc. w Turwi [Beobachtungen der mykorrhizenen Entwicklungsdynamik bei *Populus euramericana marilandica* Bosc. in Turew] — No. 10, p. 279–297. [In Polish; Russian and German summaries]

## Vol. IV: 1956

52. Truszkowska W., Lewulis T. — Badania mykorhiz niektórych traw i ziół łąkowych w różnych warunkach ekologicznych [Über die Mykorrhizen Wiesen-Grässern und Kräutern in verschiedenen ökologischen Bedingungen] — No. 1, p. 1–19. [In Polish; Russian and German summaries]
53. Kuźniar K. — Energia rozkładu błonnika w glebach leśnych [The energy of decomposition of cellulose in forest soils] — No. 2, p. 21–34. [In Polish; Russian and English summaries]
54. Foksowicz T., Sokołowski J. — Ptaki w zadrzewieniu ochronnym pod Rogaczewem w województwie poznańskim [Birds in the windbreak near Rogaczewo, Poznań Voivodship] — No. 3, p. 35–93. [In Polish; Russian and English summaries]
55. Strawiński K. — Badania nad ustaleniem składu jakościowego i ilościowego heteropterofauny żyta na polach śródleśnych i bezleśnych [Qualitative und quantitative Untersuchungen zur Feststellung des Bestandes von Heteropterenfauna des Roggenfeldes in der Waldnähe und im waldlosen Gelände] — No. 4, p. 95–169. [In Polish; Russian and German summaries]
56. Ehrlich S. — Zjawiska zachodzące w populacji nutrii a redukcja ich liczebności [Phenomena occurring among the nutria-coypu population and reduction in their numbers] — No. 5, p. 171–212. [In Polish; Russian and English summaries]
57. Boczek J. — Wpływ niektórych czynników środowiska na tworzenie się hypopusów u *Tyroglyphus farinae* L. (*Acarina*). Doniesienie tymczasowe [Einfluss mancher Faktoren der Umwelt auf die Bildung der Hypopen bei *Tyroglyphus farinae* L. (*Acarina*). Vorläufige Mitteilung] — No. 6, p. 213–218. [In Polish; Russian and German summaries]
58. Ermich K. — Badania nad dynamiką przyrostu grubości u *Pinus silvestris* L. i *Quercus robur* L. w ciągu okresu wegetacyjnego. Doniesienie tymczasowe [Untersuchungen über die Dynamik des Dickenwachstums bei *Pinus silvestris* L. und *Quercus robur* L. in der Vegetationsperiode. Vorläufige Mitteilung] — No. 7, p. 219–223. [In Polish; Russian and German summaries]
59. Bałut S. — Wpływ długości oświetlenia dziennego i temperatury na przebieg rocznego cyklu życiowego siewek *Fagus sylvatica* L. i *Abies alba* Mill. [Der Einfluss der Tageslänge und der Temperatur auf den Verlauf des einjährigen Lebenszyklus der Sämlinge *Fagus sylvatica* L. und *Abies alba* Mill.] — No. 8, p. 225–292. [In Polish; Russian and German summaries]
60. Tadajewski A. — Osady jeziora Druzno jako siedlisko fauny dennej [The bottom deposits of Lake Druzno as a habitat for benthic fauna] — No. 9, p. 293–316. [In Polish; Russian and English summaries]
61. Gromadska M. — Stosunki fizyko-chemiczne wody jeziora Druzno [Physico-chemical conditions in lake-waters of Druzno] — No. 10, p. 317–332. [In Polish; Russian and English summaries]
62. Wilusz Z. — Z badań nad migracją *Microtus arvalis* Pall. [Untersuchungen über die Wanderung *Microtus arvalis* Pall.] — No. 11, p. 333–348. [In Polish; Russian and German summaries]
63. Dąbrowski M. J. — Rozkład ilościowy oraz frekwencje gatunków w warstwie runa [Numerical distribution and occurrence of the species comprising the ground vegetation] — No. 12, p. 349–376. [In Polish; Russian and English summaries]
64. Czarniecki Z. — Materiały do ekologii ptaków gnieźdzących się w śródpolnych kępach drzew [Material illustrating the ecology of birds nesting in clumps of trees surrounded by open fields] — No. 13, p. 379–417. [In Polish; Russian and English summaries]

## Vol. V: 1957

65. Ehrlich S., Einszporn T. — Płukanie pokarmów przez nutrie [Spülen der Nahrung bei Sumpfbibern] — No. 1, p. 1–5. [In Polish; German summary]
66. Chmurzyński J. A. — Preliminary notes on the colour preferences of females *Bembex rostrata* (L.) (Hymenoptera, Sphegidae). A preliminary note — No. 2, p. 7–13.
67. Wiackowski S. — Entomofauna pniaków sosnowych w zależności od wieku i rozmiaru pniaka [The entomofauna of pine stumps in relation to the age and size of stump] — No. 3, p. 13–140. [In Polish; English summary]
68. Lenczewski J. — Niektóre rośliny kwiatowe zbiornika wodnego Druzno [Observations of some flowering plants of Lake Druzno] — No. 4, p. 141–164. [In Polish; English summary]
69. Bilewicz T. — Wstępne obserwacje nad ilościowym występowaniem i rozmieszczeniem przestrzennym populacji *Aelia acuminata* L. i *Aelia rostrata* Boh. [Preliminary observations of the numerical frequency of occurrence and distribution per area of the population of *Aelia acuminata* L. and *Aelia rostrata* Boh.] — No. 5, p. 165–185. [In Polish; English summary]
70. Bittel L. — Plankton skorupiakowy jeziora Druzno [The crustacean plankton of Lake Druzno] — No. 6, p. 187–213. [In Polish; English summary]
71. Dominik T. — Badania mykotrofizmu zespołów buka nad Bałtykiem [Recherches sur le mycotrophisme des associations végétales de hêtres des régions attenants à la Mer Baltique] — No. 7, p. 213–256. [In Polish; French summary]
72. Strawiński K. — *Hemiptera-Heteroptera* w biocenozie łąk z okolic Puław [Hemiptera-Heteroptera in the biocenosis of the meadows in the vicinity of Puławy] — No. 8, p. 257–280. [In Polish; English summary]
73. Petruszewicz K. — Investigation of experimentally induced population growth — No. 9, p. 281–309.
74. Riabinin S. — Obserwacje nad ptakami zadrzewień śródpolnych i pól śródleśnych Wandzina [Observations on birds inhabiting trees in fields and in forest in Wandzin] — No. 10, p. 311–355. [In Polish; English summary]

## Vol. VI: 1958

75. Wilusz Z. — Wpływ zadrzewienia ochronnego na gospodarkę wodną i plonowanie przyległych terenów [Der Einfluss der Windschutzstreifen auf die Wasserwirtschaft und die Hektarerträge der anliegenden Terrains] — No. 1, p. 1–52. [In Polish; German summary]
76. Trojan P. — The ecological niches of certain species of horse-flies (Diptera, Tabanidae) in the Kampinos Forest near Warsaw — No. 2, p. 53–129.
77. Spodniewska I. — Fitoplankton środowisk przyrzecznych [The phytoplankton of riverside environment] — No. 3, p. 131–143. [In Polish; English summary]
78. Grygierek E. — Eksperymentalne badania nad dynamiką liczebności skorupiaków w naturalnych warunkach [Experimental research on the quantitative dynamics of crustaceans under natural conditions] — No. 4, p. 145–166. [In Polish; English summary]
79. Dobrowolski K. A., Pielowski Z., Pinowski J., Wasilewski A. — Einfluss der Änderung in der Biologie des Raben (*Corvus corax* L.) — brüten in nächster Nähe des Menschen — auf Grösse und Verteilung der Population dieser Vogelart — No. 5, p. 167–182.
80. Wojciechowska B. — Dwie metody połowów ilościowych narybku [Two quantitative methods of fry catching] — No. 6, p. 183–204. [In Polish; English summary]
81. Kajak Z. — Próba interpretacji dynamiki liczebności fauny bentonicznej w wybranym środowisku łąchy wiślanej „Konfederatka” [An attempt at interpreting the quantitative dynamics of benthic fauna in a chosen environment in the „Konfederatka” pool (old river bed) adjoining the Vistula] — No. 7, p. 205–291. [In Polish; English summary]
82. Riabinin S. — Wyniki obserwacji nad fenologią owadów, ptaków i roślin [Results of observations carried out on the phenology of insects, birds and plants] — No. 8, p. 293–314. [In Polish; English summary]



## Vol. VII: 1959

83. P a s c h a l s k i J. — Obserwacje warunków środowiskowych drobnych zbiorników wodnych okolic Warszawy [Observations of environment conditions in small ponds in the Warsaw district] — No. 1, p. 1—20. [In Polish; English summary]
84. D o b r o w o l s k i K. A. — Badania rytmu dziennego pewnych gatunków ptaków wodnych [Forschungen über den Tagesrhythmus gewisser Arten von Wasservögeln] — No. 2, p. 21—54. [In Polish; German summary]
85. G r a c z y k R. — Badania nad występowaniem i stanem ilościowym kosa (*Turdus merula* L.) w Polsce [Forschungen über das Auftreten und den quantitativen Stand der Amsel (*Turdus merula* L.) in Polen] — No. 3, p. 55—82. [In Polish; German summary]
86. G r o d z i ń s k i W. — Sukcesja zespołów drobnych ssaków na zarastającym zrębie i zsuwie górskim w Beskidzie Średnim (Karpaty Zachodnie) [The succession of small mammal communities on an overgrown clearing and landslip mountain in the Beskid Średni (Western Carpathians)] — No. 4, p. 83—143. [In Polish; English summary]
87. P i e c z y ń s k i E. — Wodopójki (*Hydracarina*) niektórych środowisk litoralowych jeziora Tajty oraz innych jezior mazurskich [Aquatic mites (*Hydracarina*) of some littoral environments of lake Tajty and other Mazurian lakes] — No. 5, p. 145—168. [In Polish; English summary]
88. K u ź n i a r K. — Kształtowanie się wilgotności gleby leśnej i uprawnej w zależności od niektórych czynników ekologicznych [Influence of some ecological factors upon the humidity percentage in forest and cultivated soil] — No. 6, p. 169—187. [In Polish; English summary]
89. S t a r z e c k i W. — Badania mikroklimatyczne w jaskiniach południowej części Wyżyny Małopolskiej [Microclimatic research in caves of the southern part of Małopolska Highlands] — No. 7, p. 189—219. [In Polish; English summary]
90. D ą b r o w s k a E. — Aktywność dobowa komarów i czynniki ją regulujące [Activity of mosquitoes over a period of 24 hours and controlling factors] — No. 8, p. 221—254. [In Polish; English summary]
91. G r ü m L. — Sezonowe zmiany aktywności biegaczowatych (*Carabidae*) [Seasonal changes of activity of the Carabidae] — No. 9, p. 255—268. [In Polish; English summary]
92. S t r a w i ń s k i K. — *Hemiptera-Heteroptera* jako jeden z elementów biocenozy rezerwatu Stawska Góra pod Chełmem [Die *Hemiptera-Heteroptera* als ein Element der Biozönose des Naturschutzgebietes Stawska Góra b/Chełm] — No. 10, p. 269—283. [In Polish; German summary]
93. Ł u c z a k J. — The community of spiders of the ground flora of pine forest — No. 11, p. 285—315.
94. P i e c z y ń s k a E. — Charakter występowania wolnożyjących nicieni (*Nematoda*) w różnych typach periphytonu jeziora Tajty [Character of the occurrence of free-living Nematoda in various types of periphyton in Lake Tajty] — No. 12, p. 317—337. [In Polish; English summary]
95. Ż y r o m s k a - R u d z k a H. — Wstępne obserwacje nad zajmowaniem nowego podłoża przez *Carpoglyphus lactis* (L.) (*Acarina, Glycyphagidae*) [Preliminary observations of the occupation of a new substratum by *Carpoglyphus lactis* (L.) (*Acarina, Glycyphagidae*)] — No. 13, p. 339—356. [In Polish; English summary]
96. P e t r u s e w i c z K., W i l s k a T. — Investigation of the influence of inter-population relations on the result of fights between male mice — No. 14, p. 357—390.
97. K a j a k Z. — *Tendipedidae* bentosowe środowisk śród- i przyrzecznych środkowego biegu Wisły [Benthic *Tendipedidae* in river environments connected with the river, in the central reaches of the Vistula] — No. 15, p. 391—434. [In Polish; English summary]
98. P i n o w s k i J. — Factors influencing the number of feeding rooks (*Corvus frugilegus frugilegus* L.) in various field environments — No. 16, p. 435—482.

## Vol. VIII: 1960

99. P o p o v i c i - B ă z n o ș a n o A. — Sur les convergences dans le règne animal — No. 1, p. 1—20.
100. S t a ń c z y k o w s k a A. — Obserwacje nad skupieniami *Viviparus fasciatus* Müll. na terenie łachy wiślanej Konfederatka [Beobachtungen über die Gruppierungen von *Viviparus fasciatus* Müll. in dem Weichselarm Konfederatka] — No. 2, p. 21—48. [In Polish; German summary]
101. K a c z m a r e k W. — Z badań nad strukturą przestrzenną populacji kilku wybranych gatunków *Collembola* [Research on the space pattern of the population of several chosen species of *Collembola*] — No. 3, p. 49—64. [In Polish; English summary]

102. S o k o ł o w s k i A. W. — Zmienność pozioma temperatury powietrza w zespołach leśnych Białowieckiego Parku Narodowego [Über die horizontale Variabilität der Lufttemperatur in Waldgesellschaften des Białowieża-Nationalparks] — No. 4, p. 65–84. [In Polish; German summary]
103. T r a c z y k T. — Badania nad strefą przejścia zbiorowisk leśnych [Über die Übergangszonen zwischen Waldgesellschaften] — No. 5, p. 85–125. [In Polish; German summary]
104. R y b a k J. I. — Rozmieszczenie skorupiaków planktonowych w litoralu i pelagialu ze szczególnym uwzględnieniem granicy między tymi biotopami [Verteilung von Crustaceenplankton im Lithoral und Pelagial mit besonderer Berücksichtigung der Grenze zwischen den diesen Biotopen] — No. 6, p. 133–154. [In Polish; German summary]
105. S t a ń c z y k o w s k a A. — Rozmieszczenie i dynamika liczebności mięczaków dennych na łasze wiślanej Konfederatka pod Wyszogrodem [Die Verteilung und die Schwankungen der Anzahl Bodenweichtiere im Weichselarm Konfederatka bei Wyszogród] — No. 7, p. 155–168. [In Polish; German summary]
106. P i e c z y ń s k i E. — Kształtowanie się zgrupowań wodopójek (*Hydracarina*) w różnych środowiskach jeziora Wilkus [Formation of groupings of water mites (*Hydracarina*) in different environments of Lake Wilkus] — No. 8, p. 169–198. [In Polish; English summary]
107. K a j a k A. — Zmiany liczebności pajaków na kilku łąkach [Changes in the abundance of spiders in several meadows] — No. 9, p. 199–228. [In Polish; English summary]
108. K a j a k Z. — Dynamika liczebności *Tendipedidae* bentosowych na terenie mulistych odcinków łacy Konfederatka [Quantitative dynamics of benthic *Tendipedidae* in the muddy sections of the "Konfederatka" (old branch cut off from the Vistula)] — No. 10, p. 229–260. [In Polish; English summary]
109. D ą b r o w s k a - P r o t E. — Uwagi o rozmieszczeniu przestrzennym komarów w środowisku zagospodarowanym przez człowieka [Notes on the space distribution of mosquitoes in an environment cultivated by man] — No. 11, p. 261–279. [In Polish; English summary]
110. W o j c i e c h o w s k a B., T r o j a n P. — An attempt at analysing the habitat of *Viviparus fasciatus* (Müll.) — No. 12, p. 281–302.
111. G r o m a d s k a M. — Obserwacje nad termiką rozwoju jaj jedwabnika chińskiego *Antherea pernyi* Guer [Observations on the thermal ecology of developing eggs of *Antherea pernyi* Guer] — No. 13, p. 303–314. [In Polish; English summary]
112. G r o m a d s k a M., P r z y b y l s k a M. — Wpływ temperatur stałych i przemiennych na metabolizm oddechowy ślimaka zaroślowego *Arianta arbustorum* L. [The influence of constant and alternating temperatures upon the respiratory metabolism of the snail *Arianta arbustorum* L.] — No. 14, p. 315–324. [In Polish; English summary]
113. P e t r u s e w i c z K., A n d r y c h o w s k a R. — Dalsze badania nad wpływem populacji na rezultat walk samców myszy [Further investigation of the influence of the home cage on the result of fights between male mice] — No. 15, p. 325–333. [In Polish; English summary]
114. K a r a s s o w s k a K., M i k u l s k i J. S. — Studia nad zbiorowiskami zwierzęcymi roślinności zanurzonej i pływającej jeziora Druzno [Studies of animal aggregations associated with immersed and pleustonic vegetations in Lake Druzno] — No. 16, p. 335–353. [In Polish; English summary]

## Vol. IX: 1961

115. P i e l o w s k i Z. — Über die Vertikalverteilung der Vögel in einem *Pineto-Quercetum* Biotop — No. 1, p. 1–23.
116. B r e y m e y e r A. — Zmiany liczebności populacji *Trochosa terricola* Thor. [Die Änderungen in der Populationsdynamik von *Trochosa terricola* Thor.] — No. 2, p. 25–38. [In Polish; German summary]
117. H i l l b r i c h t A. — O charakterze występowania swobodnie pływających wrotków (*Rotatoria*) w hodowli akwariowej [The character of occurrence of free swimming *Rotatoria* bred in aquaria] — No. 3, p. 39–60. [In Polish; English summary]
118. B i l e w i c z - P a w i ń s k a T. — Wpływ zadrzewień na dynamikę ilościową pluskwiaków różnoskrzydłych (*Heteroptera*) [The influence of wooded land on numerical dynamics of Heteroptera] — No. 4, p. 61–77. [In Polish; English summary]
119. W i k t o r K. — Wpływ warunków środowiska na zmienność populacji *Bosmina coregoni*, *Daphnia hyalina* i *Daphnia cucullata* [The influence of habitat factors on variations in the populations of

- Bosmina coregoni*, *Daphnia hyalina* and *Daphnia cucullata*] – No. 5, p. 79–97. [In Polish; English summary]
120. Dobrowolski K. A. – Współzależność między typami jezior mazurskich a ich awifauną [Die Korrelation zwischen den masurischen Seen und ihrer Avifauna] – No. 6, p. 99–112. [In Polish; German summary]
121. Wasilewski A. – Certain aspects of the habitat selection of birds – No. 7, p. 111–137.
122. Grębecki A. – O stanach niedogęszczenia i przegęszczenia w kulturach *Paramecium caudatum* [On under-density and over-density states in *Paramecium caudatum* cultures] – No. 8, p. 141–154. [In Polish; English summary]
123. Grębecki A. – Przegęszczenie i selekcja w kulturach *Paramecium caudatum* [Over-density and selection in *Paramecium caudatum* cultures] – No. 9, p. 155–164. [In Polish; English summary]
124. Jaworski J. – Parowanie potencjalne w terenie zadrzewionym i niezadrzewionym [Potential evaporation in areas sheltered with wind breaks and in open areas] – No. 10, p. 165–182. [In Polish; English summary]
125. Piełowski Z. – Über den Unifikations Einfluss der selektiven Nahrungswahl des Habichts (*Accipiter gentilis* L.) auf Haustauben – No. 11, p. 183–194.
126. Biernik Z., Dobrowolski K. A. – Zróżnicowanie ekologiczne mew (*Larinae*) Półwyspu Helskiego [Ecological differentiation in seagulls (*Larinae*) on the Hel Peninsula] – No. 12, p. 195–218. [In Polish; English summary]
127. Pieczyński E. – Numbers, sex ratio, and fecundity of several species of water mites (Hydracarina) of Mikołajskie Lake – No. 13, p. 219–228.
128. Skoczylas R. – Dynamika liczebności, rozmieszczenie pionowe i zachowanie terytorialne dzięcioła pstrego dużego (*Dryobates maior* L.) w borze sosnowym [Zahldynamik, Vertikalverteilung und Territorialverhalten des Grössen Buntspechtes (*Dryobates maior* L.) in einer Kiefernheide] – No. 14, p. 229–243. [In Polish; German summary]
129. Prus T. – The effect of homotypic and heterotypic conditioning of medium upon the net fecundity of *Tribolium castaneum* Herbst and *T. confusum* Duval – No. 15, p. 245–257.
130. Sokółowski A. W. – Badania mikroklimatyczne na zrębie zupełnym w Puszczy Białowieskiej [Mikroklimatische Untersuchungen auf einer Schlagfläche im Urwald von Białowieża] – No. 16, p. 259–285. [In Polish; German summary]
131. Kajak A. – Obserwacje nad zasiedlaniem dziurawca czterobocznego *Hypericum maculatum* Cr. przez pająki [Observations of the settlement of *Hypericum maculatum* Cr. by spiders] – No. 17, p. 287–298. [In Polish; English summary]
132. Pieczyńska E. – Badania nad zasięgiem przestrzennym zgrupowań nicieni (*Nematoda*) perifitonowych i czynnikami regulującymi ich występowanie [Investigation of the scope of groupings of periphyton Nematoda and the factors regulating their occurrence] – No. 18, p. 299–316. [In Polish; English summary]
133. Frydlewicz-Ciesielska Z. – Porównanie fauny *Diptera* na łąkach sztucznych i naturalnych w okolicy Kuwasów nad Biebrzą [Comparison of Diptera fauna in artificial and natural meadows near Kuwasy on the River Biebrza] – No. 19, p. 317–342. [In Polish; English summary]
134. Kajak Z. – Bentos fundamentalny jezior Tajty i Grajewko [Fundamental benthic fauna in lakes Tajty and Grajewko] – No. 20, p. 343–353. [In Polish; English summary]
135. Pawłowski J. – Próchnojady blaszkorożne w biocenozie leśnej Polski [Lamellicorn cariophages in forest biocenosis of Poland] – No. 21, p. 355–437. [In Polish; English summary]
136. Andrzejewska L. – Wyniki eksperymentalnych zagęszczeń *Homoptera* na łąkach [Results of experimental increases in density of Homoptera in meadows] – No. 22, p. 439–451. [In Polish; English summary]
137. Graczyk R. – Badania nad zmiennością, biologią i znaczeniem gospodarczym kosa (*Turdus merula* L.) [Die Untersuchungen über Variabilität, Biologie und wirtschaftliche Bedeutung der Amsel] – No. 23, p. 453–485. [In Polish; German summary]
138. Witkowski T. – Obserwacje zmian liczebności *Heterodera schachtii* Schmidt w uprawie buraków cukrowych [Observations on quantitative changes in *Heterodera schachtii* Schmidt population in a sugar-beet field] – No. 24, p. 487–504. [In Polish; English summary]
139. Hillbricht A., Ryszkowski L. – Investigation of the utilisation and destruction of its habitat by a population of coypu – *Myocastor coypus* Molina bred in semi-captivity – No. 25, p. 505–524.

140. Domagała-Lipińska A. — Rozmieszczenie *Hymenoptera-Aculeata* w środowiskach miododajnych w Dziekanowie Leśnym k. Warszawy [Distribution of Hymenoptera-Aculeata in melliferous plant habitats at Dziekanów Leśny near Warsaw] — No. 26, p. 525–540. [In Polish; English summary]
141. Kozikowska Z. — Wpływ środowiska na morfologię i biologię ryb. Sielawa, okoń; elementy wybrane [Influence of the habitat on the morphology and biology of fish. Small whitefish, perch, selected elements] — No. 27, p. 541–678. [In Polish; English summary]

## Vol. X: 1962

142. Kajak A. — Porównanie fauny pajaków łąk sztucznych i naturalnych [Comparison of spider fauna in artificial and natural meadows] — No. 1, p. 1–20. [In Polish; English summary]
143. Gałęcka B. — Wpływ zadrzewień śródpolnych na przebieg dynamiki liczebności mszyc ziemniaczanych i drapieżnych *Coccinellidae* [Influence of patches of wood in fields on changes in numbers of potato aphids and the predatory *Coccinellidae*] — No. 2, p. 21–44. [In Polish; English summary]
144. Radomski C. — Studia nad rozkładem opadów w terenie pagórkowatym [Studien über die Verteilung der Niederschläge in einem Hügelgelände] — No. 3, p. 45–71. [In Polish; German summary]
145. Grüm L. — Horizontal distribution of larvae and imagines of some species of *Carabidae* — No. 4, p. 73–84.
146. Petruszewicz K., Andrzejewski R. — Natural history of a free-living population of house mice (*Mus musculus* Linnaeus) with particular reference to groupings within the population — No. 5, p. 85–122.
147. Trojan P. — Analysis of the species concept in the genus *Tabanus* L. (Diptera) as shown by taxonomic practice — No. 6, p. 123–229.
148. Moraczewski R., Borkowski D. — Działanie ścieków przemysłowych na łąki w dolinie górnej Bzury [Wirkung der gewerblichen Abwässer auf die Wiesen im Tal der oberen Bzura] — No. 7, p. 231–254. [In Polish; German summary]
149. Hutorowicz H. — Pomiarzy rosy w Kortowie w latach 1956–1960 [Measurements of dew at Kortowo from 1956–1960] — No. 8, p. 255–271. [In Polish; English summary]
150. Turboyski L. — Wstępne badania nad występowaniem okrzemek w Wiśle w Krakowie [Einführende Untersuchungen über das Vorkommen von Kieselalgen in der Wisła in Kraków] — No. 9, p. 273–284. [In Polish; German summary]
151. Andrzejewski R., Głogowska J. — The influence of the lay-out of traps and length of time for which they remain set on the distribution of capture of small rodents — No. 10, p. 285–293.
152. Anasiewicz A. — Obserwacje nad omomiłkami (*Cantharis* L.) występującymi na rzepaku ozimym [Observations of *Cantharis* L. occurring on winter rape] — No. 11, p. 295–305. [In Polish; English summary]
153. Kabacik D. — Beobachtungen über die Quantitätsveränderungen der Laufkäfer (*Carabidae*) auf verschiedenen Feldkulturen — No. 12, p. 307–323.
154. Jaworski J. — Mikroklimat i klimat lokalny okresu letniego w terenach zadrzewionych [Das Mikro- und Lokalklima windgeschützter Gebiete im Sommer] — No. 13, p. 325–373. [In Polish; German summary]
155. Dobrowolski K. A., Pielowski Z., Pinowski J., Wasilewski A. — Das Vorkommen des Kolkraben (*Corvus c. corax* L.) in Polen im Zusammenhang mit seinen Areal- und Quantitätsveränderungen in Mitteleuropa — No. 14, p. 375–456.
156. Zawislak K. — Liczebność drobnoustrojów glebowych w warunkach stokowych pod uprawą żyta i bobiku [Die Quantität der Bodenmikroorganismen in Hangverhältnissen beim Anbau von Roggen und Ackerbohne] — No. 15, p. 457–468. [In Polish; German summary]
157. Radomski C. — Badania nad rozkładem temperatur ekstremalnych powietrza na wzgórzu w Posortach koło Olsztyna [Beobachtungen der Verteilung der extremen Lufttemperaturen auf dem Hügel in Posorty bei Olsztyn] — No. 16, p. 469–495. [In Polish; German summary]
158. Tomaszewski J. — Czynniki bio-ekologiczne w rozwoju i ewolucji gleby [Bio-ecological factor in development and evolution of soil] — No. 17, p. 497–521. [In Polish; Russian summary]
159. Izdebski K. — Grądy na Roztoczu Środkowym [Forest communities of the class Querceto-Fagetea in Central Roztocze] — No. 18, p. 523–584. [In Polish; English summary]
160. Zawadzka B. — Badania nad *Eriosoma lanigerum* Hausm. i jej pasożytem *Aphelinus mali* Hald. w Polsce [Investigation on *Eriosoma lanigerum* Hausm. and its parasite *Aphelinus mali* Hald. in Poland] — No. 19, p. 585–652. [In Polish; English summary]

161. Brzeski M. — The effect of nematodes of the families Rhabditidae and Diplogastridae on growth of carrot and onion seedlings — No. 20, p. 653–657.

## Vol. XI: 1963

162. Kajak Z. — Analysis of quantitative benthic methods — No. 1, p. 1–56.
163. Opuszyński K. — Attempts at investigating elvers (*Anguilla anguilla* L.) in Polish inland waters — No. 2, p. 59–85.
164. Petruszewicz K. — Population growth induced by disturbance in the ecological structure of the population — No. 3, p. 87–125.
165. Kaczmarek M. — Jahreszeitliche Quantitätsschwankungen der Collembolen verschiedener Waldbiotope der Puszcza Kampinowska — No. 4, p. 127–139.
166. Pieczyński E. — Some regularities in the occurrence of water mites (Hydracarina) in the littoral of 41 lakes in the river Krutynia basin and the Mikołajki district — No. 5, p. 141–157.
167. Łuczak J. — Differences in the structure of communities of web spiders in one type of environment (young pine forest) — No. 6, p. 159–221.
168. Andrzejewski R., Petruszewicz K., Walkowa W. — Absorption of newcomers by a population of white mice — No. 7, p. 223–240.
169. Tschuschke A. — Die Wasserflöhe (*Cladocera*) der Durchflüsse Uzarzewskie und Swarzędzkie und des Flüsschens Cybina bei Poznań — No. 8, p. 243–273.
170. Wiktor J. — Research on the ecology of *Dreissensia polymorpha* Pall. in the Szczecin lagoon (Zalew Szczeciński) — No. 9, p. 275–280.
171. Zimny H. — Soil microflora of meadow associations in the Supraśl valley — No. 10, p. 283–292.
172. Niemczyk E. — Heteroptera associated with apple orchards in the district of Nowy Sącz — No. 11, p. 295–300.
173. Capecki Z. — *Perniphora robusta* Ruschka (Pteromalidae, Hymenoptera), and *Ipideurytoma spessivtsevi* Bouč. et Nov. (Eurytomidae, Hymenoptera), parasites of *Trypodendron lineatum* Ol. (Scolytidae, Coleoptera) in Poland — No. 12, p. 303–308.
174. Ermich K. — The inception and the end of the annual tree ring formation in *Fagus sylvatica* L., *Abies alba* Mill. and *Picea excelsa* Lk. in the Tatra mountains — No. 13, p. 311–336.
175. Opuszyński K., Trojan P. — Distribution of burrows and elements of the population structure of small forest rodents — No. 14, p. 339–352.
176. Kajak Z. — The effect of experimentally induced variations in the abundance of *Tendipes plumosus* L. larvae on intraspecific and interspecific relations — No. 15, p. 355–367.
177. Solińska B. — Die Dynamik der Vegetation in Kleingewässern als Grundlage deren Klassifikation (als Beispiel — die Umgebung von Mikołajki) — No. 16, p. 369–419.
178. Kaczmarek W. — An analysis of interspecific competition in communities of the soil macrofauna of some habitats in the Kampinos National Park — No. 17, p. 421–483.
179. Gromadska M., Gawryluk E. — The influence of light on the respiratory metabolism of the pupae of *Lymantria dispar* L. and *Euproctis chrysorrhoea* L. — No. 18, p. 485–493.
180. Pieczyńska E., Pieczyński E., Prus T., Tarwid K. — The biomass of the bottom fauna of 42 lakes in the Węgorzewo district — No. 19, p. 495–502.
181. Jaworski J. — The energy of sunshine and the evapotranspiration of potatoes — No. 20, p. 505–518.
182. Bazan-Strzelecka H. — Attempts at an analysis of groupings of water mites (Acari, Hydrachnellae) in an ox-bow lake and a pond after peat-digging — No. 21, p. 521–530.
183. Pieczyńska E., Spodniewska I. — Occurrence and colonization of periphyton organisms in accordance with the type of substrate — No. 22, p. 533–545.
184. Wiąckowski S. K., Wiąckowska I. — Biological control of the plum moth *Laspeyresia funebrana* Tr. (Lepidoptera, Tortricidae) by means of the egg parasite *Trichogramma cacoeciae* March. (Hymenoptera, Trichogrammatidae). Part. I. Approach to the problem. Effect of *Trichogramma cacoeciae* March. on the first generation of the pest — No. 23, p. 547–555.
185. Wierzbowska T., Petruszewicz K. — Residency and rate of disappearance of two free-living populations of the house mouse (*Mus musculus* L.) — No. 24, p. 557–574.
186. Radomski C. — Über die potenzielle Verdunstung auf dem Hügel — No. 25, p. 577–586.
187. Grębecki A., Petruszewicz K. — Density and size of medium in populations of *Paramecium caudatum* — No. 26, p. 589–600.

188. Petruszewicz K., Prus T., Rudzka H. — Density and size of medium in populations of *Tribolium* — No. 27, p. 603–608.
189. Petruszewicz K., Trojan P. — The influence of the size of the cage on the numbers and density of a self-ranging population of white mice — No. 28, p. 611–614.
190. Petruszewicz K. — General remarks on the productivity of confined populations — No. 29, p. 617–624.
191. Eşanu V. — The activating energy of the reaction of  $H_2O_2$  decomposition by the catalasis in the varieties of potatoes which are sensitive and resistant to the attacks of the *Phytophthora infestans* (Mont.) de Bary fungus — No. 30, p. 627–631.

## Vol. XII: 1964

192. Zimny H. — The influence of chemical fertilizers and manure upon the presence of *Clostridium* and *Azotobacter* in the peat soil of meadows — No. 1, p. 1–9.
193. Kajak Z. — Experimental investigations of benthos abundance on the bottom of Lake Śniardwy — No. 2, p. 11–31.
194. Trojan P., Wojciechowska B. — Studies on the residency of small forest rodents — No. 3, p. 33–50.
195. Spodniewska I. — Problem of the frequency of taking samples in phytoplankton studies — No. 4, p. 51–59.
196. Smirnov V. — Determination of the abundance of the arctic fox, *Alopex lagopus* L. by estimating the age structure of the captured animals — No. 5, p. 61–78.
197. Dominik T., Majchrowicz I. — A trial for isolating keratinolytic and keratinophilic fungi from the soils of the cemeteries and forests of Szczecin — No. 6, p. 79–105.
198. Jaworski J. — Distribution of rainfall near shelterbelts — No. 7, p. 107–120.
199. Sikorowa A. — A species new to Polish fauna — from the genus *Chaoborus* Licht. (Diptera) — No. 8, p. 121–123.
200. Kosturkevič A. — Vlijanje urovnja počvenno-gruntovych vod na rost sosnovogo molodnjaka [Effect of soil-ground water level on growth of young pine-stand] — No. 9, p. 125–146. [In Russian; Polish summary]
201. Rybak M., Rybak J. I. — Crustacea of the summer plankton in the littoral of lakes in the Węgorzewo district — No. 10, p. 147–158.
202. Rybak M., Rybak J. I., Tarwid K. — Differences in Crustacea plankton based on the morphological character of the littoral of the lakes — No. 11, p. 159–172.
203. Kajak Z. — Remarks on conditions influencing the appearance of new generations of Tendipedidae larvae — No. 12, p. 173–183.
204. Pieczyńska E. — Investigations on colonization of new substrates by nematodes (Nematoda) and some other periphyton organisms — No. 13, p. 185–234.
205. Kowalska T. — Effect of photoperiod and temperature on the growth of owlet moths *Euxoa exclamatoris* L. and *Rhyacia c-nigrum* L. (Lepidoptera, Noctuidae) — No. 14, p. 235–241.
206. Kot J. — Experiments in the biology and ecology of species of the genus *Trichogramma* Westw. and their use in plant protection — No. 15, p. 243–303.
207. Lelek A., Libosvářský J., Peňáz M., Bezděk R., Macháček Z. — Observation on fish under ice in winter — No. 16, p. 305–312.
208. Wilkialis J. — On the ecology and biology of the leech *Glossiphonia heteroclita* f. *hyalina* (O. F. Müll.) — No. 17, p. 315–323.
209. Walkowa W. — Rate of absorption of newcomers by a confined white mouse population — No. 18, p. 325–335.
210. Bazan-Strzelecka H. — Water mites (Acari, Hydrachnellae) of certain Warta River environments — No. 19, p. 337–354.
211. Żyromska-Rudzka H. — Abundance dynamics and age structure of populations of *Carpoglyphus lactis* (L.) (Acarina, Glycyphagidae) in closed cultures — No. 20, p. 355–367.
212. Trojan P., Wojciechowska B. — The distribution of captures of small rodents and its causes — No. 21, p. 369–378.
213. Żyromska-Rudzka H. — The migration tendency of two strains of *Tribolium castaneum* (Hbst) — preliminary observations — No. 22, p. 379–388.

214. Libosvářský J., Zelinka M. — The regeneration of the fish population in the Svatka River through water purification — No. 23, p. 389–394.
215. Kuc M. — A botanical analysis of excrements of the Northern Ptarmigan (*Lagopus mutus hyperboreus* Sundevall) from Hornsund (SW Spitsbergen) — No. 24, p. 395–399.
216. Anasiewicz A. — Untersuchungen über die sekundäre Besiedlung der Frassstätten der Wickler (*Tortricidae*) — No. 25, p. 401–413.
217. Włodek S. — Radioactivité d'une série d'organismes aquatiques et terrestres: en rapport avec la radioactivité de leur milieu ambiant — No. 26, p. 415–427.
218. Strawiński K. — Zoophagism of terrestrial Hemiptera-Heteroptera occurring in Poland — No. 27, p. 429–452.
219. Hillbricht-Ilkowska A. — The influence of the fish population on the biocenosis of a pond, using Rotifera fauna as an illustration — No. 28, p. 453–503.
220. Ermich K. — The origin of tyloses in trunks of growing oak trees (*Quercus robur* L.) — No. 29, p. 505–528.
221. Starý P. — The foci of aphid parasites (Hymenoptera, Aphidiidae) in nature — No. 30, p. 529–554.
222. Celiński F. — The mesophilous deciduous forests of the "Puszcza Bukowa" territory near Szczecin — No. 31, p. 555–596.
223. Schmidt E. — Vogelzöologische Untersuchungen in den Bergen um Buda. II. Solymar — No. 32, p. 597–614.
224. Dobrowolski K. A. — Studies on ecological adaptations of birds of the Vistula River — No. 33, p. 615–651.
225. Stańczykowska A. — On the relationship between abundance, aggregations and "condition" of *Dreissena polymorpha* Pall. in 36 Mazurian lakes — No. 34, p. 653–690.
226. Pieczyński E. — Analysis of numbers, activity, and distribution of water mites (Hydracarina) and of some other aquatic invertebrates in the lake littoral and sublittoral — No. 35, p. 691–735.
227. Dąbrowska-Prót E. — Communities of mosquitoes in three types of forest land — No. 36, p. 737–783.

## Vol. XIII: 1965

228. Götzman J. — Die transspezifischen räumlichen Beziehungen zwischen dem Neuntöter (*Lanius collurio* L.) und der Sperbergrasmücke (*Sylvia nisoria* (Bechst.)) in der Brutzeit — No. 1, p. 1–22.
229. Kajak Z. — Remarks on the causes of the scarcity of benthos in Lake Lisunie — No. 2, p. 23–32.
230. Kołder W. — Provisional results of research on the migration of fish in the upper basin of the River Vistula — No. 3, p. 33–37.
231. Chwałek M. — The effect of pH variation on *Molinia coerulea* (L.) Moench — No. 4, p. 39–43.
232. Spodniewska I. — Development of phytoplankton in ponds with different periods of filling and different fish stocks — No. 5, p. 45–55.
233. Zimny H. — The influence of mineral fertilizer and cow manure on the distribution of microflora in peat soil under meadow — No. 6, p. 57–72.
234. Gurzęda A. — Density of carp populations and their artificial feeding and the utilisation of food animals — No. 7, p. 73–99.
235. Hillbricht-Ilkowska A. — The effect of the frequency of sampling on the picture of the occurrence and dynamics of plankton rotifers — No. 8, p. 101–112.
236. Bernatowicz S., Pieczyńska E. — Organic matter production of macrophytes in the Lake Tałtowisko (Mazurian Lakeland) — No. 9, p. 113–124.
237. Ławacz W. — An analysis of variations in two populations of *Gobius microps* Kr. depending on the salinity of the habitat — No. 10, p. 125–142.
238. Trojan P. — Intrapopulation relations and regulation of numbers in small forest rodents — No. 11, p. 143–168.
239. Jabłoński B. — Studies of the autumn migration of *Parus caeruleus* L. and *P. major* L. on the Baltic Coast during the period 1961–1962 — No. 12, p. 171–193.
240. Celiński F. — Acidophilous forests of "Puszcza Bukowa" near Szczecin — No. 13, p. 195–226.
241. Goryński A. — Die thermischen Verhältnisse in einem Pflanzenbestand aus *Perilla* (*Perilla ocymoides* L.) in Abhängigkeit von Wuchs und Entwicklung der Pflanzen — No. 14, p. 227–246.

242. Dmoch J. — The dynamics of a population of the cabbage seedpod weevil (*Ceuthorrhynchus assimilis* Payk.) and the development of winter rape. Part I — No. 15, p. 249–287.
243. Gotzman J. — Environment preference in the Grebes (Podicipedidae) during breeding season — No. 16, p. 289–302.
244. Serafiński W. — The subspecific differentiation of the Central European house mouse (*Mus musculus* L.) in the light of their ecology and morphology — No. 17, p. 305–348.
245. Ermich K. — Beitrag zur Kenntnis der phytoklimatischen Verhältnisse im Gorce-Gebirge — No. 18, p. 349–363.
246. Wiśniewski J. — Selected problems of the ecology of Arachnoidea accompanying ants *Formica polyctena* Först. in their nests — No. 19, p. 365–375.
247. Kamler E. — Thermal conditions in mountain waters and their influence on the distribution of Plecoptera and Ephemeroptera larvae — No. 20, p. 377–414.
248. Dominik T., Majchrowicz I. — Second contribution to the knowledge of keratinolytic and keratinophilic soil fungi in the region of Szczecin — No. 21, p. 415–447.
249. Domurat K., Kozłowska J. — Analysis of communities of nematodes occurring in soil and barley — No. 22, p. 449–459.
250. Węgorek W., Głogowski K., Zaplicki E. — Investigation on hibernation of *Perillus bioculatus* Fabr. tagged with  $^{60}\text{Co}$  — No. 23, p. 451–462.
251. Dmoch J. — The dynamics of a population of the cabbage seedpod weevil (*Ceuthorrhynchus assimilis* Payk.) and the development of winter rape. Part II — No. 24, p. 463–489.
252. Busse P. — Nest building dynamics of a breeding colony of rook (*Corvus frugilegus* L.) — No. 25, p. 491–514.
253. Kossakowski J. — Crayfish *Astacus astacus* (L.) and *Astacus leptodactylus* Esch. migrations in Lake Łoby, Poland — No. 26, p. 515–526.
254. Skierska B. — Ecological studies of the occurrence and distribution of Culicinae fauna in the coastal forest belt — No. 27, p. 527–573.
255. Grüm L. — The significance of the migration rate of individuals in the regulation of intensity of penetration of the habitat by populations of two species of Carabidae: *Carabus arcensis* Hrbst. and *Pterostichus niger* Schall. — No. 28, p. 575–591.
256. Bilewicz-Pawińska T. — Ecological analysis of Heteroptera communities in cultivated fields — No. 29, p. 593–639.
257. Wójcik Z. — Les associations des champs cultivés en Masovie. I-ère partie: Les associations messicoles — No. 30, p. 641–682.
258. Andrzejewska L. — Stratification and its dynamics in meadow communities of Auchenorrhyncha (Homoptera) — No. 31, p. 685–715.
259. Kajak A. — An analysis of food relations between the spiders — *Araneus cornutus* Clerck and *Araneus quadratus* Clerck — and their prey in meadows — No. 32, p. 717–764.

## Vol. XIV: 1966

260. Polakowska M. — Analyse der Übergangszone zwischen Waldgesellschaften — No. 1, p. 1–24.
261. Breymeyer A. — Relations between wandering spiders and other epigeic predatory Arthropoda — No. 2, p. 27–71.
262. Andrzejewska L. — An attempt at determining the absolute population numbers of *Cicadella viridis* L. in the light of its layer distribution — No. 3, p. 73–98.
263. Gromadzki M. — Variability of egg-size of some species of the forest birds — No. 4, p. 99–109.
264. Hillbricht-Ilkowska A. — The effect of different periods of utilization of fish ponds on the occurrence and abundance of plankton Rotatoria — No. 5, p. 111–124.
265. Żyromska-Rudzka H. — An appreciation of the laboratory set for investigating the emigratory activity of *Tribolium* — No. 6, p. 125–132.
266. Maliszewska Z. — Dependence of the effect obtained by introducing *Drosophila fasciata* Meig. into a forest biocenosis on the state of the population of this species — No. 7, p. 133–138.
267. Maliszewska Z. — Observations on the food of several species of predatory forest insects — No. 8, p. 139–143.
268. Pinowski J. — Der Jahreszyklus der Brutkolonie beim Feldsperling (*Passer m. montanus* L.) — No. 9, p. 145–172.



269. Charzewski J. — Studies on the history of the development of Pino-Quercetum serratuletosum and Quercu-Piceetum communities in the Białowieża National Park — No. 10, p. 173–192.
270. Maciak F. — Relationship between total and amine nitrogen content and the composition of amino acids in peat-forming plants and in peats — No. 11, p. 193–202.
271. Javornický P. — Measurements of production and turnover of phytoplankton in four localities of Poland — No. 12, p. 203–214.
272. Strawński K. — The influence of some ecological habitat factors on Hemiptera-Heteroptera communities — No. 13, p. 215–225.
273. Strawński K., Surmacz W. — Effect of temperature on the movements of *Aradus cinnamomeus* Pz. on the trunks of the common pine — No. 14, p. 227–231.
274. Łuczak J. — The distribution of wandering spiders in different layers of the environment as a result of interspecies competition — No. 15, p. 233–244.
275. Gałęcka B. — The role of predators in the reduction of two species of potato aphids, *Aphis nasturtii* Kalt. and *A. frangulae* Kalt. — No. 16, p. 245–274.
276. Żelawski W., Gowin T. — Variability of some needle characteristics in Scots pine (*Pinus silvestris* L.) ecotypes grown on the comparative plantation — No. 17, p. 275–283.
277. Traczyk T. — Plant communities of Strzeleckie Meadows in Kampinos Forest — No. 18, p. 285–299.
278. Żelawski W., Niwiński Z. — Variability of some needle characteristics in Scots pine (*Pinus silvestris* L.) ecotypes grown in native conditions — No. 19, p. 301–308.
279. Mazur T. — Preliminary studies on the composition of amphibians' food — No. 20, p. 309–319.
280. Tądajewski A. — Bottom sediments in different limnetic zones of an eutrophic lake — No. 21, p. 321–341.
281. Jaworski J. — The variation in soil temperatures in the neighbourhood of a shelterbelt — No. 22, p. 343–384.
282. Stańczykowska A. — Some methodical problems in zoomicrobenthos studies — No. 23, p. 385–393.
283. Król S. — Einige ökologische Faktoren und die Pflanzenwelt des Naturschutzgebiets „Blok” — No. 24, p. 395–412.
284. Petrusiewicz K. — Dynamics, organization and ecological structure of population — No. 25, p. 413–436.
285. Ciesielska Z. — Research on the ecology of *Oryzaephilus surinamensis* (L.) (Coleoptera, Cucujidae) — No. 26, p. 439–489.
286. Żyromska-Rudzka H. — Abundance and emigrations of *Tribolium* in a laboratory model — No. 27, p. 491–518.
287. Bernatowicz S., Zachwieja J. — Types of littoral found in the lakes of the Masurian and Suwałki Lakelands — No. 28, p. 519–545.
288. Prus T. — Emigrational ability and surface numbers of adult beetles in 12 strains of *Tribolium confusum* Duval and *T. castaneum* Herbst (Coleoptera, Tenebrionidae) — No. 29, p. 547–588.
289. Zimka J. — The predacity of the field frog (*Rana arvalis* Nilsson) and food levels in communities of soil macrofauna of forest habitats — No. 30, p. 589–605.
290. Bernatowicz S. — The effect of shading on the growth of macrophytes in lakes — No. 31, p. 607–616.
291. Turček F. J. — On plumage quantity in birds — No. 32, p. 617–634.
292. Dąbrowska-Prot E. — Changes of the vertical distribution of mosquitoes in forest environment — No. 33, p. 635–650.
293. Szczygieł A. — Studies on the fauna and population dynamics of nematodes occurring on strawberry plantations — No. 34, p. 651–709.
294. Drozdowicz A., Horszczaruk I. — Studies on the decomposition of humic acids by microorganisms — No. 35, p. 711–724.
295. Adamczyk K., Petrusiewicz K. — Dynamics, diversity and intrapopulation differentiation of a free-living population of house mouse — No. 36, p. 725–740.
296. Lipa J. J., Chmielewski W. — Aparity observed in the development of *Caloglyphus* mite (Acarina: Acaridae) — No. 37, p. 741–748.
297. Serafiński W. — The influence of climatic conditions on the characters of common shrew (*Sorex araneus* L.) populations in Poland — No. 38, p. 749–753.

298. D u s o g e K. — Composition and interrelations between macrofauna living on stones in the littoral of Mikołajskie Lake — No. 39, p. 755–762.

## Vol. XV: 1967

299. P i n o w s k i J. — Die Auswahl des Brutbiotops beim Feldsperling (*Passer m. montanus* L.) — No. 1, p. 1–30.
300. W a s i l e w s k a L. — Analysis of the occurrence of nematodes in alfalfa crops. I. Species composition of nematodes in two alfalfa crops of different age and penetration of species from soil to plants — No. 2, p. 31–74.
301. D o m i n i k T., M a j c h r o w i c z I. — Studies on the tuberculate mycorrhizae of Douglas fir (*Pseudotsuga taxifolia* Britton) — No. 3, p. 75–90.
302. L i b o s v á r s k ý J. — The effect of fish irritation by electrofishing on the population estimate — No. 4, p. 91–106.
303. Ż e l a w s k i W., Ż e l a w s k a B. — Some aspects of the effect of shade on growth of Scots pine (*Pinus silvestris* L.) seedlings of various provenances — No. 5, p. 107–114.
304. J a k u s z e w s k i T. — The effect of shelterbelts on the characteristics of some microclimatic factors in adjoining fields — No. 6, p. 115–138.
305. S p o d n i e w s k a I. — Dynamics of the abundance and biomass of phytoplankton in lakes Mikołajskie and Tałtowisko — No. 7, p. 139–153.
306. G r y g i e r e k E. — Formation of fish pond biocenosis exemplified by planktonic crustaceans — No. 8, p. 155–181.
307. J a b ł o Ń s k i B. — The phenological interchange of birds in forests in the east part of the Masovian Lowland region in relation to ecological isolation — No. 9, p. 183–271.
308. S z m i d t A. — Studies on biological activity of various pure strains of parasites *Dahlbominus fuscipennis* (Zett.) and *Erdoesina alboannulata* (Ratz.) (Hymenoptera, Chalcididae) — No. 10, p. 273–284.
309. D z i ę c i o ł o w s k i R. — Winter food of the red deer (*Cervus elaphus* L.) as determined by tracking techniques — No. 11, p. 285–305.
310. G o r y Ń s k i A. — Charakteristik des anfänglichen Wuchses des Wurzelsystems der *Perilla* (*Perilla ocymoides* L.) in Abhängigkeit von der Art des Bodens — No. 12, p. 307–324.
311. S a n d n e r H., C i c h y D. — Research on the effectiveness of fungal and bacterial insecticides — No. 13, p. 325–333.
312. G r ü m L. — Remarks on fluctuations in density of Carabidae populations — No. 14, p. 335–345.
313. W a s i l e w s k a L. — Analysis of the occurrence of nematodes in alfalfa crops. II. Abundance and quantitative relations between species and ecological groups of species — No. 15, p. 347–371.
314. B i l e w i c z - P a w i Ń s k a T. — From studies on the heteropterofauna of the sugar beet — No. 16, p. 373–384.
315. O p u s z y Ń s k i K. — Comparison of temperature and oxygen tolerance in grass carp (*Ctenopharyngodon idella* Val.), silver carp (*Hypophthalmichthys molitrix* Val.), and mirror carp (*Cyprinus carpio* L.) — No. 1, p. 385–400.
316. W a s i l e w s k a L. — Analysis of the occurrence of nematodes in alfalfa crops. III. Some observations on age structure — No. 18, p. 401–408.
317. O p u s z y Ń s k i K., L e s z c z y Ń s k i L. — The food of young eels (*Anguilla anguilla* L.) from several lakes and a river in northern Poland — No. 19, p. 409–424.
318. K a m i Ń s k i A. — The effect of shelterbelts on the yield of plants in a permanent crop rotation — No. 20, p. 425–441.
319. K o z ł o w s k a J. — Soil nematodes fauna occurring in the Jadwisin fields near Warsaw and the effect of environmental conditions on them — No. 21, p. 443–485.
320. S p o d n i e w s k a I. — On the methodical studies of the representativeness of phytoplankton samples — No. 22, p. 487–494.
321. C z a r n o w s k i M. S., H u m p h r e y s F. R., G e n t l e S. W. — Site-index as a function of soil and climatic characteristics (A preliminary note based on man-made stands of *Pinus radiata* D. Don. in New South Wales, Australia) — No. 23, p. 495–504.
322. G r o m a d z k a J., T r o j a n P. — Comparison of the usefulness of an entomological net, photoelector and biocenometer for investigation of entomocenoses — No. 24, p. 505–529.

323. Chłodny J. — The amount of food consumed and production output of larvae of the Colorado beetle (*Leptinotarsa decemlineata* Say) — No. 25, p. 531–541.
324. Pieczyński E. — The occurrence of water mites (Hydracarina) and some other invertebrates in the littoral and central part of Lake Śniardwy — No. 26, p. 543–551.
325. Chłodny J. — The energetics of the development of cabbage white *Pieris brassicae* L. (Lepidoptera) — No. 27, p. 553–561.
326. Sandner H. — An attempt at analysing the process of penetration by soil nematodes into plants — No. 28, p. 563–567.
327. Sandner H. — The conditions for occurrence of potato root eelworm (*Heterodera rostochiensis* Woll.) in Poland — No. 29, p. 569–575.
328. Czapska M. — Development of eggs of the tick, *Ixodes ricinus* L., depending on temperature and humidity and the thermopreferendum and daily activity of its larvae — No. 30, p. 577–606.
329. Mazur T. — Seasonal variations in the energy reserves of *Bufo bufo* (L.) and *Rana arvalis* Nilss. (Anura) in Poland — No. 31, p. 607–613.
330. Czerwiński A. — The variation and development of stands within the association Peucedano-Pinetum typicum in Augustów and Knyszyń forests — No. 32, p. 615–640.
331. Wasilewski A. — The effect of interspecific competition on the number and distribution of birds in forest biotopes — No. 33, p. 641–695.
332. Gliwicz J. — The dynamics of the colony of black-headed gull (*Larus ridibundus* L.) on fish ponds at Stawinoga near Narew river — No. 34, p. 697–708.
333. Andrzejewski R., Petruszewicz K., Waszkiewicz-Gliwicz J. — The trapability of *Clethrionomys glareolus* (Schreber, 1780) and other ecological parameters obtained by the CMR capture method — No. 35, p. 709–725.
334. Trojan P., Wojciechowska B. — The reaction of small rodents to a new object and estimate of population numbers — No. 36, p. 727–736.
335. Chełkowska H., Ryszkowski L. — Causes of higher abundance estimates of small rodents at the edges of sampling areas in forest ecosystems — No. 37, p. 737–746.
336. Andrzejewski R. — An attempt at empirical verification of the relation between density and average coverage of the home range and their values — No. 38, p. 747–753.
337. Aulak W. — Estimation of small mammal density in three forest biotopes — No. 39, p. 755–778.
338. Chełkowska H. — An attempt at comparing two methods of trapping small rodents (in pitfalls and live traps) — No. 40, p. 779–785.
339. Adamczewska-Andrzejewska K. A. — Age reference model for *Apodemus flavicollis* (Melchior, 1834) — No. 41, p. 787–790.
340. Ryszkowski L., Walkowa W., Wierzbowska T. — Estimation of average length of life of mice having variable survival rates — No. 42, p. 791–801.
341. Trojan P., Wojciechowska B. — Resting metabolism rate in the European common vole — *Microtus arvalis* (Pall.) in different ambient temperatures — No. 43, p. 803–810.
342. Trojan P., Wojciechowska B. — Resting metabolism rate during pregnancy and lactation in the European common vole — *Microtus arvalis* (Pall.) — No. 44, p. 811–817.
343. Walkowa W. — Production due to reproduction and to body growth in a confined mouse population — No. 45, p. 819–822.
344. Traczyk H., Traczyk T. — Tentative estimation of the production of herb layer — No. 46, p. 823–835.
345. Traczyk T. — Studies on herb layer production estimate and the size of plant fall — No. 47, p. 837–867.

## Vol. XVI: 1968

346. Pinowski J. — Fecundity, mortality, numbers and biomass dynamics of a population of the Tree Sparrow (*Passer m. montanus* L.) — No. 1, p. 1–58.
347. Traczyk T. — Studies on the primary production in meadow community — No. 2, p. 59–100.
348. Wójcik Z. — Les associations des champs cultivés en Masovie. II-ème partie: Les associations de chaumes de l'alliance *Nanocyperion flavescens* — No. 3, p. 101–120.
349. Majchrowicz I., Dominik T. — Third contribution to the knowledge of keratinolytic and keratinophilic soil fungi in the region of Szczecin — No. 4, p. 121–145.

350. K a r g J., T r o j a n P. — Fluctuations in numbers and reduction of the Colorado beetle (*Leptinotarsa decemlineata* Say) in natural conditions — No. 5, p. 147–169.
351. T r o j a n P. — Egg reduction of the Colorado beetle (*Leptinotarsa decemlineata* Say) as a hunger-dependent reaction — No. 6, p. 171–183.
352. S i k o r o w a A. — The behaviour of *Chaoborus* Licht. larvae under unfavourable oxygen conditions — No. 7, p. 185–192.
353. S e r a f i ń s k i W. — Ecological structure of the species in mammals. II. The intraspecific differentiation of the red bank vole [*Clethrionomys glareolus* (Schreb.)] in the light of environmental conditions — No. 8, p. 193–211.
354. B i e r n a c k a I. — L'influence de la pollution des eaux du port de Władysławowo sur les associations d'organismes sessils et de protozoaires — No. 9, p. 213–241.
355. S i k o r o w a A. — Resistance of *Chaoborus* Licht. larvae to lack of food — No. 10, p. 243–251.
356. B a d u r o w a M., B a d u r a L. — A comparative study on the occurrence of microscopic fungi on leaves and needles from different species of trees growing within the reserve "Kamień Śląski" — No. 11, p. 253–260.
357. B i e r n a c k a I. — Influence de la salinité et de la thermique sur les protistes de la mer Baltique et de la Lagune de la Vistule — No. 12, p. 261–278.
358. G l i w i c z Z. M. — The use of anaesthetizing substance in studies on the food habits of zooplankton communities — No. 13, p. 279–295.
359. G ó r n y M. — Faunal and zoocenological analysis of the soil insect communities in the ecosystem of shelterbelt and field — No. 14, p. 297–324.
360. G o w i n T., G ó r a l I. — Growth and dry matter accumulation of Scots pine (*Pinus silvestris* L.) seedlings grown from seed of different provenance — No. 15, p. 325–333.
361. P r u s T. — Some regulatory mechanisms in populations of *Tribolium confusum* Duval and *Tribolium castaneum* Herbst — No. 16, p. 335–374.
362. G r o m a d z k a J. — Respiratory metabolism of the Colorado beetle (*Leptinotarsa decemlineata* Say) — No. 17, p. 375–382.
363. T r o j a n P. — Estimated food consumption by the Colorado beetle (*Leptinotarsa decemlineata* Say) under conditions of natural reduction — No. 18, p. 385–393.
364. F a l i ń s k a K. — Preliminary studies on seed production in the herb layer of the Querco-Carpinetum association — No. 19, p. 395–409.
365. G ó r n y M. — Synecological studies of the soil macroentomofauna in two different agricultural biotopes — No. 20, p. 411–443.
366. S t a c h u r s k i A. — Emigration and mortality rates and the food-shelter conditions of *Ligidium hypnorum* L. (Isopoda) — No. 21, p. 445–459.
367. D a b r o w s k a - P r o t E., Ł u c z a k J. — Spiders and mosquitoes of the ecotone of alder forest (*Carici elongatae-Alnetum*) and oak-pine forest (*Pino-Quercetum*) — No. 22, p. 461–483.
368. G o ł ę b i o w s k a Z. — Development and fertility of the Mediterranean flour moth *Anagasta (Ephestia) kühniella* Zeller (Lepidoptera, Pyralidae) in differently coloured vessels — No. 23, p. 485–504.
369. C h ł o d n y J. — Evaluation of some parameters of the individual energy budget of the larvae of *Pteromalus puparum* (L.) (Pteromalidae) and *Pimpla instigator* (Fabr.) (Ichneumonidae) — No. 24, p. 505–513.
370. K a m i ń s k i A. — The effect of a shelterbelt on the distribution and intensity of groundfrosts in cultivated fields — No. 25, p. 515–525.
371. H u t o r o w i c z H. — Occurrence of dew at two ecologically different stations at Kortowo near Olsztyn — No. 26, p. 527–537.
372. S t a ń c z y k o w s k a A., P r z y t o c k a - J u s i a k M. — Variations in abundance and biomass of microbenthos in three Mazurian lakes — No. 27, p. 539–559.
373. J a n i o n S. M. — Certain host-parasite relationships between rodents (Muridae) and fleas (Aphaniptera) — No. 28, p. 561–606.
374. K a j a k Z., D u s b g e K., P r e j s A. — Application of the flotation technique to assessment of absolute numbers of benthos — No. 29, p. 607–620.
375. M a l i c k i L. — The relationships between the root residues and the herbage yields of alfalfa (*Medicago media* Pers.) with a varying frequency of harvest — No. 30, p. 621–627.
376. C u k e r z i s J. — Interspecific relations between *Astacus astacus* L. and *A. leptodactylus* Esch. — No. 31, p. 629–636.

377. Serafiński W. — Ecological structure of the species in mammals. III. Environmental conditions and the phylogeny, as factors conditioning the structure of several mammal species — No. 32, p. 637–656.
378. Bałazy S. — Analysis of bark beetle mortality in spruce forests in Poland — No. 33, p. 657–687.
379. Drozdowicz A. — Growth, sporulation and germination of spores of *Bacillus thuringiensis* var. *thuringiensis* Berliner — No. 34, p. 689–698.
380. Mazur T. — Costs of maintenance in *Rana arvalis* Nilss. at different ambient temperatures — No. 35, p. 699–704.
381. Górny M. — Dynamics of the soil insect communities in two biotopes of an agricultural landscape — No. 36, p. 705–727.
382. Soszka G. — Selected problems of the ecology of molluscs (Mollusca) of the brackish Lake Łebsko — No. 37, p. 729–753.
383. Kajak A., Andrzejewska L., Wójcik Z. — The role of spiders in the decrease of damages caused by Acridoidea on meadows — experimental investigations — No. 38, p. 755–764.
384. Wilkialis J. — Distribution of leeches along the course of the rivers Supraśl and Czarna Hańcza in the light of habitat relations — No. 39, p. 765–771.
385. Dąbrowska-Prot E., Łuczak J., Tarwid K. — Prey and predator density and their reactions in the process of mosquito reduction by spiders in field experiments — No. 40, p. 773–819.
386. Kajak Z. — Benthos of oxbow lakes situated in the area of the Zegrzyński Reservoir before its filling up with water — No. 41, p. 821–832.
387. Czarnowski M. S. — Notes on growth in stand-compactness as a function of growth in height — No. 42, p. 833–841.
388. Dąbrowska-Prot E., Łuczak J. — Studies on the incidence of mosquitoes in the food of *Tetragnatha montana* Simon and its food activity in the natural habitat — No. 43, p. 843–853.
389. Domurat K., Kozłowska J., Sandner H. — Influence of soil types and *Fusarium*-wilt in pea on development of nematode populations in soil and plant — No. 44, p. 855–861.

## Vol. XVII: 1969

390. Głazek T. — An investigation on the ecology of *Cerasus fruticosa* (Pall.) Woronow on the basis of materials obtained from Sandomierz Highland and Iża Foothills — No. 1, p. 1–28.
391. Dobrowolski K. A. — Structure of the occurrence of waterfowl types and morpho-ecological forms — No. 2, p. 29–72.
392. Herbichowa M. — Primary production of a potato field — No. 3, p. 73–86.
393. Majchrowicz I., Dominik T. — Further contribution to the knowledge of keratinolytic and keratinophilic soil fungi of the region of Szczecin — keratinolytic and keratinophilic fungi in the immediate surroundings of cattle — No. 4, p. 87–116.
394. Wasilewska L. — The effect of the pre-crop on soil nematodes in a potato field — No. 5, p. 117–124.
395. Tarwid M. — Analysis of the contents of the alimentary tract of predatory Pelopiinae larvae (Chironomidae) — No. 6, p. 125–131.
396. Prejs A. — Differences in abundance of benthos and reliability of its assessment in several lake habitats — No. 7, p. 133–147.
397. Karg J. — The effect of shelterbelts on density and reduction of numbers of the Colorado beetle (*Leptinotarsa decemlineata* Say) — No. 8, p. 149–157.
398. Cichy D. — The influence of some ecological factors on the susceptibility of *Tribolium castaneum* (Herbst) (Col., Tenebrionidae) to Pybuthrin — No. 9, p. 159–166.
399. Kowalska T. — Fecundity of the Colorado beetle (*Leptinotarsa decemlineata* Say) in relation to ecological factors — No. 10, p. 167–184.
400. Tudorancea C. — Comparison of the populations of *Unio tumidus* Philipsson from the complex of Crapina-Jijila marshes — No. 11, p. 185–204.
401. Brzeski M. W. — Nematodes associated with cabbage in Poland. II. The effect of soil factors on the frequency of nematode occurrence — No. 12, p. 205–225.
402. Brzeski M. W. — Nematodes associated with cabbage in Poland. III. Host-parasite relations of *Heterodera schachtii* Schmidt — No. 13, p. 227–240.

403. Hillbricht-Ilkowska A., Spodniewska I. — Comparison of the primary production of phytoplankton in three lakes of different trophic type — No. 14, p. 241–261.
404. Stachurska T. — Factors affecting the degree of infestation of population of *Polydesmus complanatus* (L.) by Eugregarinaria — No. 15, p. 263–285.
405. Gromadzki M. — Composition of food of the starling, *Sturnus vulgaris* L., in agrocenoses — No. 16, p. 287–311.
406. Trojan P., Wojciechowska B. — Ecological model and tables of the daily costs of maintenance (DEB) of *Microtus arvalis* (Pall.) — No. 17, p. 313–342.
407. Herbichowa M. — Primary production of a ryefield — No. 18, p. 343–350.
408. Gałęcka B., Zelený J. — The occurrence of predatory aphids of the genus *Chrysopa* spp. on crops growing on a four-crop field and in the neighbouring shelterbelts — No. 19, p. 351–360.
409. Dzieciowski R. — Winter biomass of browse for herbivorous animals in forest habitats — No. 20, p. 361–371.
410. Kamiński A. — Measurement of the amount of light energy absorbed by the potato (*Solanum tuberosum* L.) — No. 21, p. 373–379.
411. Dzieciowski R. — Repartition of habitat niches within the area of red deer (*Cervus elaphus* L.) population — No. 22, p. 381–389.
412. Chłodny J. — The energetics of larval development of two species of grasshoppers from the genus *Chorthippus* Fieb. — No. 23, p. 391–407.
413. Bajan C., Kmitowa K. — Pathogenicity of entomogenous fungi isolated from hibernating imagines of the Colorado beetle (*Leptinotarsa decemlineata* Say) — No. 24, p. 409–420.
414. Herbichowa M., Kamiński A. — Transpiration of potato (*Solanum tuberosum* L.) in field conditions — No. 25, p. 421–431.
415. Manikowski S. — Flocks of gulls on the Polish Baltic coast — No. 26, p. 433–445.
416. Bernatowicz S. — Macrophytes in the Lake Warniak and their chemical composition — No. 27, p. 447–467.
417. Chodorowski A., Vidal P. — Appareils expérimentaux pour étude écologique des cavernicoles aquatiques — No. 28, p. 469–487.
418. Danilov N., Nekrasov E., Dobriński L., Kopein K. — K voprosu ob izmenčivosti populacij *Passer domesticus* L i *P. montanus* L. [Variations of *Passer domesticus* L. and *P. montanus* L. populations] — No. 29, p. 489–501. [In Russian; Polish summary]
419. Spodniewska I. — Day-to-day variations in primary production of phytoplankton in Mikołajskie Lake — No. 30, p. 503–514.
420. Karg J., Mazur T. — Participation of amphibians in the natural reduction of the Colorado beetle (*Leptinotarsa decemlineata* Say) — No. 31, p. 515–532.
421. Horn E. — 24-hour cycles of locomotor and food activity of *Tetragnatha montana* Simon (Araneae, Tetragnathidae) and *Dolomedes fimbriatus* (Clerck) (Araneae, Pisauridae) — No. 32, p. 533–549.
422. Kozłowska A. — The influence of climate and kind of soil on the development and yield of three generations of potatoes — No. 33, p. 551–586.
423. Anasiewicz A., Warakomska Z. — Occurrence of bumble-bees on alfalfa (*Medicago media* Pers.) in the province of Lublin and pollen analysis of their pollen loads — No. 34, p. 587–609.
424. Rybak J. I. — Bottom sediments of the lakes of various trophic type — No. 35, p. 611–662.
425. Gliwicz Z. M. — Studies on the feeding of pelagic zooplankton in lakes with varying trophy — No. 36, p. 663–708.
426. Serafiński W. — Reproduction and dynamics of moose (*Alces alces* L.) population in the Kampinos National Park — No. 37, p. 709–718.
427. Chłodny J., Mazur T. — Food requirements and utilization of food by *Rana arvalis* Nilss. (Amphibia) — No. 38, p. 719–733.
428. Dyrz A. — The ecology of the Song-thrush (*Turdus philomelos* Br.) and Blackbird (*Turdus merula* L.) during the breeding season in an area of their joint occurrence — No. 39, p. 735–793.
429. Szwykowska M. M. — Seasonal changes of the caloric value and chemical composition of the body of the Partridge (*Perdix perdix* L.) — No. 40, p. 795–809.
430. Bilewicz-Pawińska T. — Natural limitation of *Lygus rugulipennis* Popp. by a group of *Leiophron pallipes* Curtis on the rye crop fields — No. 41, p. 811–825.
431. Greszta J., Olszowski J., Godzik S. — The effect of air pollution on wood volume increment in the common pine (*Pinus silvestris* L.) — No. 42, p. 827–846.

432. Chełkowska H. — Numbers of small rodents in five plant associations — No. 43, p. 847–854.  
 433. Jakubczyk H. — Variations of microbiological activity in a meadow community — No. 44, p. 855–878.

## Vol. XVIII: 1970

434. Wierzbowska T., Chełkowska H. — Estimating size of home range of *Apodemus agrarius* (Pall.) — No. 1, p. 1–12.  
 435. Przybylski Z. — Studien über die Synchronisierung phytophänologischer Erscheinungen mit der Entwicklung des Apfelsaugers — *Psylla mali* Schmidt (*Psyllidae*) — No. 2, p. 13–40.  
 436. Hallander H. — Environments of the wolfspiders *Pardosa chelata* (O. F. Müller) and *Pardosa pullata* (Clerck) — No. 3, p. 41–72.  
 437. Przybylski Z. — Die Entwicklung des Kartoffelkäfers (*Leptinotarsa decemlineata* Say) in der Gegend von Rzeszów im Zusammenhang mit synchronischen phytophänologischen Erscheinungen in den Jahren 1963–1966 — No. 4, p. 73–88.  
 438. Andrzejewska L., Wójcik Z. — The influence of Acridoidea on the primary production of a meadow (field experiment) — No. 5, p. 89–109.  
 439. Dąbrowski Z. T. — Density of spider mites (Tetranychidae) and predatory mites (Phytoseiidae) in apple orchards treated and not treated with pesticides — No. 6, p. 111–136.  
 440. Kabacik-Wasylik D. — Ökologische Analyse der Laufkäfer (*Carabidae*) einiger Agrarkulturen — No. 7, p. 137–209.  
 441. Łykowski B. — Reflection of solar radiation by vegetation — No. 8, p. 211–223.  
 442. Prejs K. — Some problems of the ecology of benthic nematodes (Nematoda) of Mikołajskie Lake — No. 9, p. 225–242.  
 443. Kamiński A. — Absorption of solar radiation by a rye field (*Secale cereale* L.) — No. 10, p. 243–250.  
 444. Turček F. J. — Synökologie eines isolierten Moores im Schemnitz Gebirge, Slowakei (ČSSR) — No. 11, p. 251–271.  
 445. Zachwieja J. — Meromixis of Lake Rzeźniki in the Mazurian Lake District — No. 12, p. 273–290.  
 446. Gromadzka J. — The occurrence of leafhoppers (Homoptera, Auchenorrhyncha) on rye grown near shelterbelts — No. 13, p. 291–306.  
 447. Gromadzki M. — Breeding communities of birds in mid-field afforested areas — No. 14, p. 307–350.  
 448. Kot J. — The phenomenon of partial resistance to insecticides in some arthropods — No. 15, p. 351–359.  
 449. Libosvářský J., Lusk S. — On the bionomics and net production of brown trout (*Salmo trutta morpha fario* L.) in the Loučka Creek, Czechoslovakia — No. 16, p. 361–382.  
 450. Czeżuga B., Grądziński F. — Primary production in the oligotrophic Lake Hańcza — No. 17, p. 383–392.  
 451. Wójcik Z. — Primary production of the herb layer and plant fall in a dry pine forest (Cladonio-Pinetum Kobendza 1930) in the Kampinos National Park — No. 18, p. 393–409.  
 452. Aulak W. — Studies on herb layer production in the Circaeo-Alnetum Oberd. 1953 association — No. 19, p. 411–427.  
 453. Wasilewska L. — Nematodes of the sand dunes in the Kampinos Forest. I. Species structure — No. 20, p. 429–443.  
 454. Pieczyński E., Prejs A. — The share of water mites (Hydracarina) in the food of three species of fish in Lake Warniak — No. 21, p. 445–452.  
 455. Sarosiek J., Leonowicz-Babiakowa K. — The effect of a chronic gamma radiation upon *Symphytum officinale* L. under natural conditions — No. 22, p. 453–464.  
 456. Mackowicz R., Pinowski J., Wieloch M. — Biomass production by House Sparrow (*Passer d. domesticus* L.) and Tree Sparrow (*Passer m. montanus* L.) populations in Poland — No. 23, p. 465–501.  
 457. Bownik L. J. — The periphyton of the submerged macrophytes of Mikołajskie Lake — No. 24, p. 503–520.  
 458. Bajan C., Kmitowa K. — Infection of the Colorado beetle (*Leptinotarsa decemlineata* Say) by the fungus *Paecilomyces farinosus* (Dicks.) Brown et Smith — No. 25, p. 521–529.

459. Dąbrowska-Prot E. — Influence of spiders on the behaviour of mosquito populations — No. 26, p. 531–537.
460. Hillbricht-Ilkowska A., Węgleńska T. — The effect of sampling frequency and the method of assessment on the production values obtained for several zooplankton species — No. 27, p. 539–557.
461. Bońkowska T. — The effect of shelterbelts on the distribution of Carabidae — No. 28, p. 559–569.
462. Dominik T., Majchrowicz I. — Further contribution to the knowledge of keratinolytic and keratinophilic fungi of the region of Szczecin — keratinolytic and keratinophilic fungi in the excrements of farm animals — No. 29, p. 571–611.
463. Włodek S., Bysiek M., Grzybowska D. — Autochthonous caesium and behaviour of allochthonous caesium in a fish pond — No. 30, p. 613–623.
464. Łuczak J. — Behaviour of spider populations in the presence of mosquitoes — No. 31, p. 625–634.
465. Dzieciołowski R. — Variation in red deer (*Cervus elaphus* L.) food selection in relation to environment — No. 32, p. 635–645.
466. Wilkialis J. — Some regularities in the occurrence of leeches (Hirudinea) in the waters of the Białystok region — No. 33, p. 647–680.
467. Domurat K. — Nematode communities occurring in spring barley crops — No. 34, p. 681–740.
468. Chmielewski W. — The passage of mites through the alimentary canal of vertebrates — No. 35, p. 741–756.
469. Plewczyńska U. — Herb layer production and plant fall in the association Pino-Quercetum, Kozłowska 1925 in the Pisz Forest — No. 36, p. 757–778.
470. Moszyńska B. — Estimation of the green top production of the herb layer in a bog pinewood Vaccinio uliginosi-Pinetum — No. 37, p. 779–803.
471. Gołębiowska Z., Chmielewski W., Filipek P. — An increase of the population of insects and mites in the wheat grain — No. 38, p. 805–816.
472. Dąbrowski Z. T. — Effect of pesticides on the associations of predatory mites in apple orchards — No. 39, p. 817–836.
473. Wierzbowska T. — Truncated distributions and their application in ecology — No. 40, p. 837–848.

## Vol. XIX: 1971

474. Grüm L. — Spatial differentiation of the *Carabus* L. (Carabidae, Coleoptera) mobility — No. 1, p. 1–34.
475. Bajan C., Bilewicz-Pawińska T. — Preliminary studies on the role of *Beauveria bassiana* (Bals.) Vuill. in reduction of *Lygus rugulipennis* Popp. — No. 2, p. 35–46.
476. Grüm L. — Remarks on the differentiation in Carabidae mobility — No. 3, p. 47–56.
477. Chmielewski W. — The mites (Acarina) found on bumble-bees (*Bombus* Latr.) and in their nests — No. 4, p. 57–71.
478. Wierzbicki K. — The effect of ecological conditions on the parasite fauna of perch *Perca fluviatilis* L. in Lake Dargin — No. 5, p. 73–86.
479. Kowal T., Krupińska A., Latowski K., Pic S. — Plant biomass-production indices — No. 6, p. 87–92.
480. Traczyk T. — Productivity investigation of two types of meadows in the Vistula valley. I. Geobotanical description and primary production — No. 7, p. 93–106.
481. Czerwiński Z. — Productivity investigation of two types of meadows in the Vistula valley. II. Soil conditions — No. 8, p. 107–119.
482. Jakubczyk H. — Productivity investigation of two types of meadows in the Vistula valley. III. Decomposition rate of organic matter and microbiological activity — No. 9, p. 121–128.
483. Nowak E. — Productivity investigation of two types of meadows in the Vistula valley. IV. Soil macrofauna — No. 10, p. 129–137.
484. Makulec G. — Productivity investigation of two types of meadows in the Vistula valley. V. Introductory studies on numbers and energetics of Orthoptera — No. 11, p. 139–150.
485. Andrzejewska L. — Productivity investigation of two types of meadows in the Vistula valley. VI. Production and population density of leafhopper (Homoptera-Auchenorrhyncha) communities — No. 12, p. 151–172.



486. Andrzejewska L., Wójcik Z. — Productivity investigation of two types of meadows in the Vistula valley. VII. Estimation of the effect of phytophagous insects on the vascular plant biomass of the meadow — No. 13, p. 173–182.
487. Olechowicz E. — Productivity investigation of two types of meadows in the Vistula valley. VIII. The number of emerged Diptera and their elimination — No. 14, p. 183–195.
488. Kajak A. — Productivity investigation of two types of meadows in the Vistula valley. IX. Production and consumption of field layer spiders — No. 15, p. 197–211.
489. Pętał J., Andrzejewska L., Breymeyer A., Olechowicz E. — Productivity investigation of two types of meadows in the Vistula valley. X. The role of ants as predators in a habitat — No. 16, p. 213–222.
490. Kajak A., Breymeyer A., Pętał J. — Productivity investigation of two types of meadows in the Vistula valley. XI. Predatory arthropods — No. 17, p. 223–233.
491. Diehl B. — Productivity investigation of two types of meadows in the Vistula valley. XII. Energy requirement in nestling and fledgling Red-backed Shrike (*Lanius collurio* L.) — No. 18, p. 235–248.
492. Breymeyer A. — Productivity investigation of two types of meadows in the Vistula valley. XIII. Some regularities in structure and function of the ecosystem — No. 19, p. 249–261.
493. Ciesielska Z. — Studies on interspecific competition between *Rhizoperta dominica* (F.) (Col. Bostrychidae) and *Oryzaephilus surinamensis* (L.) (Col. Cucujidae) — No. 20, p. 263–276.
494. Grygierek E. — Some data on the role of food in the biology of *Eudiaptomus zachariasii* Poppe — No. 21, p. 277–293.
495. Czarnowski M. S., Humphreys F. R., Gentle S. W. — Quantitative expression of site-index in terms of certain soil and climate characteristics of *Pinus radiata* D. Don. plantations in Australia and New Zealand — No. 22, p. 295–309.
496. Suski Z. W. — Responses of larvae of the spider mite *Panonychus ulmi* (Koch) to certain environmental stimuli — No. 23, p. 311–323.
497. Gromadzka J. — Energy assimilation in *Eupteryx atropunctata* (Goeze) and *Empoasca pteridis* (Dhlb.) (Homoptera, Typhlocybidae) — No. 24, p. 325–332.
498. Traczyk H. — Relation between productivity and structure of the herb layer in associations on "The Wild Apple-Tree Island" (Masurian Lake District) — No. 25, p. 333–363.
499. Pruszyński S., Lipa J. J. — The occurrence of predatory Coccinellidae on alfalfa crops — No. 26, p. 365–386.
500. Kowalska T. — The effect of environmental factors on the life cycle of *Chrysopa carnea* Steph. (Neuroptera, Chrysopidae) — No. 27, p. 387–400.
501. Anasiewicz A. — Observations on the bumble-bees in Lublin — No. 28, p. 401–417.
502. Kabacik-Wasylik D., Stejgwiłło-Laudańska B. — Starvation and the average survival time of Carabidae — No. 29, p. 419–425.
503. Węgleńska T. — The influence of various concentrations of natural food on the development, fecundity and production of planktonic crustacean filtrators — No. 30, p. 427–473.
504. Spodniewska I. — The influence of experimental increase of biomass of the blue-green algae *Gloeotrichia echinulata* (Smith) Richter on phytoplankton production — No. 31, p. 475–483.
505. Kajak Z., Dusoge K. — The regularities of vertical distribution of benthos in bottom sediments of three Masurian lakes — No. 32, p. 485–499.
506. Kabacik-Wasylik D. — Studies on the diet of three field species of Carabidae — No. 33, p. 501–508.
507. Anasiewicz A., Warakomska Z. — Analysis of pollen collected by wild Apoidea from fruit trees and bushes — No. 34, p. 509–523.
508. Falińska K. — An estimate of diaspore production in the ecosystem of a mixed oak-hornbeam forest (Querco-Carpinetum) in the Białowieża National Park. — No. 35, p. 525–561.
509. Cichy D. — The role of some ecological factors in the development of pesticide resistance in *Sitophilus oryzae* L. and *Tribolium castaneum* Herbst. — No. 36, p. 563–616.
510. Olech B. — Realized production, mortality and sex structure of a Partridge (*Perdix perdix* L.) population and its utilization for game purposes in Poland — No. 37, p. 617–650.
511. Wasilewska L. — Nematodes of the dunes in the Kampinos Forest. II. Community structure based on numbers of individuals, state of biomass and respiratory metabolism — No. 38, p. 651–688.
512. Wasylik A. — Nest types and the abundance of mites — No. 39, p. 689–699.
513. Kozłowska J., Mianowska E. — Research on the biology and ecology of *Panagrolaimus rigidus* (Schneider) Thorne. I. The influence of food on changes of morphometric characteristics of *P. rigidus* — No. 40, p. 701–714.

514. Kozłowska J., Domurat K. — Research on the biology and ecology of *Panagrolaimus rigidus* (Schneider) Thorne. II. The influence of the initial density and of interspecies competition on the development of populations of saprophagous nematodes — No. 41, p. 715–722.
515. Kozłowska J., Domurat K. — Research on the biology and ecology of *Panagrolaimus rigidus* (Schneider) Thorne. III. Plant influence on the development of *P. rigidus* populations — No. 42, p. 723–726.
516. Kmitowa K., Kabacik-Wasylik D. — An attempt at determining the pathogenicity of two species of entomopathogenic fungi in relation to Carabidae — No. 43, p. 727–733.
517. Bajan C., Kmitowa K., Wojciechowska M. — The effect of joint culture on the growth of some entomopathogenic fungi — No. 44, p. 735–744.
518. Gregorczuk M. — Distribution of more important complex biometeorological indices on the globe — No. 45, p. 745–787.
519. Gałęcka B., Kajak A. — Studies on ecological mechanisms reducing population of *Myzus persicae* (Sulz.) (Hom., Aphididae) — No. 46, p. 789–806.
520. Gregorczuk M. — Bioclimatic regions of the globe with special consideration to the area of Poland — No. 47, p. 807–852.

## Vol. XX: 1972

521. Léviex J. — Quelques remarques au sujet des méthodes d'échantillonnage des peuplements de Fourmis terrioles — No. 1, p. 1–7.
522. Pęta J. — Methods of investigating of the productivity of ants — No. 2, p. 9–22.
523. Sands W. A. — Problems in attempting to sample tropical subterranean termite populations — No. 3, p. 23–31.
524. Baroni Urbani C. — An example of the usefulness of simulation techniques in ecological researches: the study on food consumption of a large ant community — No. 4, p. 33–42.
525. Brian M. V. — Population turnover in wild colonies of the ant *Myrmica* — No. 5, p. 43–53.
526. Peakin G. J. — Aspects of productivity in *Tetramorium caespitum* L. — No. 6, p. 55–63.
527. Nielsen M. G. — Production of workers in an ant nest — No. 7, p. 65–71.
528. Dlussky G. M., Kupianskaya A. N. — Consumption of protein food and growth of *Myrmica* colonies — No. 8, p. 73–82.
529. De Bruyn G. J., Goosen-De Roo L., Hubregtse-Van Den Berg A. I. M., Feijen H. R. — Predation of ants by Woodpeckers — No. 9, p. 83–91.
530. De Bruyn G. J., Mabelis A. A. — Predation and aggression as possible regulatory mechanisms in *Formica* — No. 10, p. 93–101.
531. Stebaev I. V., Reznikova J. I. — Two interaction types of ants living in steppe ecosystem in South Siberia, USSR — No. 11, p. 103–109.
532. Pisarski B. — La structure des colonies polycaliques de *Formica (Coptoformica) exsecta* Nyl. — No. 12, p. 111–117.
533. De Bruyn G. J., Kruk-De Bruin M. — The diurnal rhythm in a population of *Formica polyctena* Först — No. 13, p. 117–127.
534. Le Masne G., Bonavita-Cougourdan A. — Premiers résultats d'une irradiation prolongée au Césium sur les populations de Fourmis, en Haute-Provence — No. 14, p. 129–144.
535. Gaspar C. — Actions des Fourmis du genre *Lasius* dans l'écosystème prairie — No. 14, p. 145–152.
536. Jakubczyk H., Czerwiński Z., Pęta J. — Ants as agents of the soil habitat changes — No. 16, p. 153–161.
537. Kajak A., Breymeyer A., Pęta J., Olechowicz E. — The influence of ants on the meadow invertebrates — No. 17, p. 163–171.
538. Hadley M. — Perspectives in productivity studies, with special reference to some social insect populations — No. 18, p. 173–184.
539. Stachurski A. — Population density, biomass and maximum natality rate and food conditions in *Ligidium hypnorum* L. (Isopoda) — No. 19, p. 185–198.
540. Borowiec S., Grinn U., Kutyna I. — The influence of soil conditions and kinds of crops on the constancy of occurrence of weeds — No. 20, p. 199–217.
541. Pielowski Z., Wasilewski A. — The regulation of numbers and certain aspects of the population structure in communities of forest birds — No. 21, p. 219–252.

542. P u s z k a r L., T r a c z y k T., W ó j c i k Z. — Primary production of the herb layer and plant fall in the *Vaccinio myrtilli*-Pinetum forest association in the Pisz Forest (north-east Poland) — No. 22, p. 253–285.
543. C i e s i e l s k a Z. — Interspecific competition between populations of three species of Coleoptera: *Calandra granaria* L., *Oryzaephilus surinamensis* L., and *Rhizoperta dominica* F. — No. 23, p. 287–297.
544. S z m i d t A. — Studies on the efficiency of various strains of the parasite *Dahlbominus fuscipennis* (Zett.) (Hymenoptera, Chalcidoidea) under natural conditions — No. 24, p. 299–313.
545. H i l l b r i c h t - I l k o w s k a A., K o w a l e z e w s k i A., S p o d n i e w s k a I. — Field experiment on the factors controlling primary production of the lake plankton and periphyton — No. 25, p. 315–326.
546. P e n c z a k T. — Structure of fish groupings in the rivers and streams of the River Nida drainage basin — No. 26, p. 327–344.
547. S a n d n e r H., W i l k i a l i s J. — Leech communities (Hirudinea) in the Mazurian and Białystok regions and the Pomeranian Lake District — No. 27, p. 345–365.
548. G o d l e w s k a - L i p o w a W. A., J a b ł o Ń s k a I. — Spatial differentiation abundance of bacteria in the water of Mikołajskie Lake — No. 28, p. 367–371.
549. O l s z o w s k i J. — Influence of forest stands on the soil habitat of sands — No. 29, p. 373–403.
550. K o z ł o w s k a A. — The influence of intensity of photosynthesis on the development and yield of potatoes — No. 30, p. 405–412.
551. K m i t o w a K., B a j a n C., W o j c i e c h o w s k a M. — Pathogenicity of fungi — *Paecilomyces farinosus* (Dicks.) Brown et Smith (four forms) and *Beauveria bassiana* (Bals.) Vuill — No. 31, p. 413–421.
552. B a j a n C., K m i t o w a K. — The effect of entomogenous fungi *Paecilomyces farinosus* (Dicks.) Brown et Smith and *Beauveria bassiana* (Bals.) Vuill. on the oviposition by *Leptinotarsa decemlineata* Say females, and on the survival of larvae — No. 32, p. 423–432.
553. B a j a n C., K m i t o w a K. — Successive infection — No. 33, p. 433–440.
554. T u r č e k F. J. — Ecological studies of birds and mammals on Mat-grasslands — No. 34, p. 441–461.
555. O l s z e w s k i J. L. — Estimation of cooling power in a deciduous forest stand — No. 35, p. 463–477.
556. S a m o c h w a l e n k o T., S t a Ń c z y k o w s k a A. — Fertility differentiation of two species of Viviparidae (*Viviparus fasciatus* Müll. and *V. viviparus* L.) in some environments — No. 36, p. 479–492.
557. S z c z y g i e ł A., H a s i o r H. — Vertical distribution of plant parasitic nematodes in the soil of strawberry plantations — No. 37, p. 493–506.
558. S z c z y g i e ł A., H a s i o r H. — Seasonal variations in population of plant parasitic nematodes in strawberry plantations — No. 38, p. 507–523.
559. M a t t i c e J. S. — Production of a natural population of *Bithynia tentaculata* L. (Gastropoda, Mollusca) — No. 39, p. 525–539.
560. R y b a k J. I. — Spatial and time changes of some environmental factors in the pelagial of Mikołajskie Lake — No. 40, p. 541–560.
561. P r a b u c k i J. — The honeydew-secreting aphid *Phyllaphis fagi* L. (Homoptera) and its living conditions in the "Beech Forest" near Szczecin from the aspect of bee-keeping requirements — No. 41, p. 561–591.
562. J e z i e r s k i W. — Elements of the space structure of European hare (*Lepus europaeus* Pallas, 1778) population — No. 42, p. 593–607.
563. J a k u b i e c Z. — River as a feeding place for crows (Corvidae) — No. 43, p. 609–635.
564. P i e c z y Ń s k a E. — Ecology of the eulittoral zone of lakes — No. 44, p. 637–732.
565. P r e j s K., S t a Ń c z y k o w s k a A. — Spatial differentiation and changes in time of zoomicrobenthos in three Masurian lakes — No. 45, p. 733–745.
566. B a b i Ń s k a J. — Estimation of rodent consumption in meadow ecosystem belonging to the community of Molinietalia order — No. 46, p. 747–761.
567. Ż e l a w s k i W., G o w i n T., Ł o t o c k i A. — Preliminary study of the ecotype differentiation on three plantations of Scots pine (*Pinus silvestris* L.) in Poland — No. 47, p. 763–770.
568. G o w i n T. — Development of apical buds of Scots pine (*Pinus silvestris* L.) seedlings of different provenience — No. 48, p. 771–779.
569. W i e r z b o w s k a T. — Statistical estimation of home range size of small rodents — No. 49, p. 781–831.

570. Dziuba S. — A zoocenotic description of salt-marsh mite communities (Acarina, Mesostigmata) — No. 50, p. 833–856.

## Vol. XXI: 1973

571. Jezierski W. — Environmental conditioning of the space structure and shyness in hares (*Lepus europaeus* Pallas, 1778) — No. 1, p. 1–12.
572. Myrcha A. — Bioenergetics of the development period of *Copris lunaris* L. — No. 2, p. 13–35.
573. Traczyk T., Traczyk H., Moszyńska B. — Herb layer production of two pinewood communities in the Kampinos National Park — No. 3, p. 37–55.
574. Wasilewska B. E. — Microfauna of few eulittoral habitats of Mikołajskie Lake with special consideration to the nematodes (Nematoda) — No. 4, p. 57–72.
575. Kubicka H. — The evolution of CO<sub>2</sub> in two meadow communities — No. 5, p. 73–88.
576. Chudyba H. — Algae concomitant with *Spongilla* (*Spongilla*) *lacustris* (L.) Vejd. in the Krutynia River — No. 6, p. 89–103.
577. Kawicka A. — Changes of the leaves of the Scots pine (*Pinus silvestris* L.) due to the pollution of the air with nitrogen compounds — No. 7, p. 105–120.
578. Cabejszek I., Łuczak J., Maleszewska J., Stanisławska J. — Limnological character of experimental reservoirs treated with Tritox 30% (DDT, DMDT, gamma HCH) — No. 8, p. 121–140.
579. Borowiec S. — Relation between plant associations of the Wielkopolski National Park and soil water content — No. 9, p. 141–162.
580. Prus T. B., Park T. — The relation of yeast and flour to the cannibalism of eggs by *Tribolium* larvae — No. 10, p. 168–171.
581. Boczek J., Czajkowska B. — A study on some aspects of ageing in *Acarus siro* L. (Acarina: Acaridae) — No. 11, p. 173–184.
582. Szlauer L. — Settlement of *Sida crystallina* O. F. M. (Cladocera) on solid objects — No. 12, p. 185–192.
583. Lecewicz W., Sokołowska W., Wojciechowski I. — The changes of winter phytoplankton in relation to the light climate in the lakes with various trophy — No. 13, p. 193–208.
584. Kowalczewski A., Prejs K., Spodniewska I. — Seasonal changes of biomass of benthic algae in the littoral of Mikołajskie Lake — No. 14, p. 209–217.
585. Głowaciński Z. — Phenology and breeding success in a population of Collared Flycatcher, *Ficedula albicollis* (Temm.), in the Niepołomice Forest (southern Poland) — No. 15, p. 219–228.
586. Klekowski R. Z., Bęczkowski J. — A new modification of microbomb calorimeter — No. 16, p. 229–238.
587. Karg J. — An attempt to estimate the energy flow through the population of Colorado beetle (*Leptinotarsa decemlineata* Say) — No. 17, p. 239–250.
588. Nabağło L. — Participation of invertebrates in decomposition of rodent carcasses in forest ecosystems — No. 18, p. 251–270.
589. Łęski R., Jesiotr L. — The evaluation of the chemosterilant Metepa in the control of two spotted spider mite (*Tetranychus urticae* Koch, Acarina, Tetranychidae) — No. 19, p. 271–289.
590. Jakubczyk H. — Microbiological characteristics of soils of the complex of cultivated fields and shelterbelt at Turew — No. 20, p. 291–308.
591. Gowin T. — Growth of Scots pine (*Pinus silvestris* L.) seedlings of different provenience on comparative plantations in three regions of Poland — No. 21, p. 309–321.
592. Sandner H., Wasyluk A. — The mites of the Sparrow nests and the danger of infestation of granaries by them — No. 22, p. 323–338.
593. Wójcik Z. — Productivity of a sandy ryefield — No. 23, p. 339–357.
594. Moszyńska B. — Methods for assessing production of the upper parts of shrubs and certain perennial plants — No. 24, p. 359–367.
595. Kabacik-Wasyluk D., Jaworska M. — The effect of pesticides used to control the Colorado beetle on the Carabidae (Coleoptera) — No. 25, p. 369–375.
596. Kaczmarek S. — Studies on the aphidophagous Coccinellidae of cultivated fields in the Koszalin administrative district — No. 26, p. 377–403.
597. Zachwieja J. — Experimentally increased fish stock in the pond type Lake Warniak. I. Physical and chemical conditions in lake water — No. 27, p. 405–422.

598. Zawisza J., Ciepielewski W. — Experimentally increased fish stock in the pond type Lake Warniak. II. Changes of the autochthonous ichthyofauna due to the introduction of carp (*Cyprinus carpio* L.) and bream (*Abramis brama* (L.)) — No. 28, p. 423–444.
599. Ciepielewski W. — Experimentally increased fish stock in the pond type Lake Warniak. III. Biomass and production of pike (*Esox lucius* L.) — No. 29, p. 445–463.
600. Prejs A. — Experimentally increased fish stock in the pond type Lake Warniak. IV. Feeding of introduced and autochthonous non-predatory fish — No. 30, p. 465–504.
601. Groba J. — Experimentally increased fish stock in the pond type Lake Warniak. V. Parasites of fish — No. 31, p. 505–518.
602. Spodniewska I., Hillbricht-Ilkowska A. — Experimentally increased fish stock in the pond type Lake Warniak. VI. Biomass and production of phytoplankton — No. 32, p. 519–532.
603. Hillbricht-Ilkowska A., Węgleńska T. — Experimentally increased fish stock in the pond type Lake Warniak. VII. Numbers, biomass and production of zooplankton — No. 33, p. 533–552.
604. Hillbricht-Ilkowska A., Prejs A., Węgleńska T. — Experimentally increased fish stock in the pond type Lake Warniak. VIII. Approximate assessment of the utilization by fish of the biomass and production of zooplankton — No. 34, p. 553–562.
605. Kajak Z., Dusoge K. — Experimentally increased fish stock in the pond type Lake Warniak. IX. Numbers and biomass of bottom fauna — No. 35, p. 563–573.
606. Stańczykowska A. — Experimentally increased fish stock in the pond type Lake Warniak. X. Numbers and distribution of zoomicrobenthos — No. 36, p. 575–581.
607. Pieczyńska E. — Experimentally increased fish stock in the pond type Lake Warniak. XI. Food resources and availability of the eulittoral zone for fish — No. 37, p. 583–593.
608. Pieczyński E. — Experimentally increased fish stock in the pond type Lake Warniak. XII. Numbers and biomass of the fauna associated with macrophytes — No. 38, p. 595–610.
609. Kobuszevska D. M. — Experimentally increased fish stock in the pond type Lake Warniak. XIII. Distribution and biomass of the Lemnaceae and the fauna associated with them — No. 39, p. 611–629.
610. Kajak Z., Zawisza J. — Experimentally increased fish stock in the pond type Lake Warniak. XIV. The relations between the fish and other biocenotic components (summing up the studies) — No. 40, p. 631–643.
611. Kabacik-Wasylik D., Kmitowa K. — The effect of single and mixed infections of entomopathogenic fungi on the mortality of the Carabidae (Coleoptera) — No. 41, p. 645–655.
612. Bajan C., Kmitowa K. — The effect of the medium and temperature on the development of insect pathogenic fungi isolated from the Colorado beetle (*Leptinotarsa decemlineata* Say) — No. 42, p. 657–686.
613. Kmitowa K. — Interaction of few species of soil fungi and two species of insect pathogenic fungi on the changes of their parasitic activity — No. 43, p. 687–697.
614. Wojciechowska M. — Preliminary observations on the production of toxins by the insect pathogenic fungi — No. 44, p. 699–703.
615. Bajan C. — *Paecilomyces fumoso-roseus* (Wize) — pathogenic agent of the Colorado beetle (*Leptinotarsa decemlineata* Say) — No. 45, p. 705–713.
616. Bajan C. — The successive infection of insect pathogenic fungi — No. 46, p. 715–729.
617. Bajan C. — Changes in the pathogenicity of the entomopathogenic fungi under the influence of the method of culture and infection — No. 47, p. 731–742.
618. Gerlaczynska B. — Distribution and biomass of macrophytes in Lake Dgał Mały — No. 48, p. 743–752.
619. Dąbrowska-Prot E., Łuczak J., Wójcik Z. — Ecological analysis of two invertebrate groups in the wet alder wood and meadow ecotone — No. 49, p. 753–812.
620. Kukielska C. — Studies on the primary production of the potato field — No. 50, p. 813–826.
621. Falińska K. — Flowering rhythms in forest communities in the Białowieża National Park in relation to seasonal changes — No. 51, p. 827–867.
622. Wasylik A. — The mites (Acaroidea) inhabiting the nests of the Tree Sparrow (*Passer montanus* L.) — No. 52, p. 869–899.
623. Dominik T., Ichnatowicz A., Kopyłow H., Miętkiewski R. — Mycoflora of sand-boxes in kindergardens in Szczecin — No. 53, p. 901–923.

## Vol. XXII: 1974

## No. 1

624. Stachurski A. — Stabilization mechanisms of energy transfer by *Ligidium hypnorum* (Cuvier) (Isopoda) population in alder wood (Carici elongatae-Alnetum) — p. 3–29.
625. Zimka J. R. — Predation of frogs, *Rana arvalis* Nilss., in different forest site conditions — p. 31–63.
626. Spodniewska I. — The structure and production of phytoplankton in Mikołajskie Lake — p. 65–106.
627. Penczak T., Zalewski M. — Distribution of fish numbers and biomass in barbel region of the river and the adjoining old river-beds — p. 107–119.
628. Janion S. M. — Relation between variations in numbers of ectoparasites and variations in numbers of their hosts — p. 121–131.
629. Kochev Kh., Traczyk T. — Primary production of *Chrysopogon gryllus*-*Andropogon ischaemum* pasture in Sofia region, Bulgaria — p. 133–143.
630. Baradziej E. — Net primary production of two marsh communities near Ispina in the Niepołomice Forest (Southern Poland) — p. 145–172.
631. Migula P. — The effect of temperature on the rate of oxygen consumption by different life stages of *Malacosoma neustria* L. and *Euproctis chrysorrhoea* L. (Lepidoptera) — p. 173–194.
632. Pomianowska-Pilipiuk I. — Energy balance and food requirements of adult vipers *Vipera berus* (L.) — p. 195–211.
633. Bilewicz-Pawińska T. — Emergence and longevity of two species of *Peristenus* Foerster (Braconidae) under laboratory conditions — p. 213–222.
634. Olszewski J. L. — Wind velocity in a deciduous forest stand and in an unwooded area — p. 223–235.

## No. 2

635. Szyszko J. — Relationship between the occurrence of epigeic carabids (Coleoptera, Carabidae), certain soil properties, and species composition of a forest stand — p. 237–274.
636. Górski T., Rybak J. I. — Phosphorus run-off from the drainage basin to Mikołajskie Lake — p. 275–286.
637. Jana B. B. — Diurnal rhythm of plankton in a tropical freshwater pond in Santiniketan, India — p. 287–294.
638. Karabin A. — Studies on the predatory role of the cladoceran, *Leptodora kindtii* (Focke), in secondary production of two lakes with different trophy — p. 295–310.
639. Ejsmont-Karabin J. — Studies on the feeding of planktonic polyphage *Asplanchna priodonta* Gosse (Rotatoria) — p. 311–317.
640. Borowiec S., Skrzyczyńska J., Kutyna I. — The effect of fertilization and liming on the constancy of occurrence and numbers of weeds on sandy soils on loam — p. 319–337.
641. Greszta J., Olszowski J. — The effect of fertilization on the biological activity of the soils of former sand opencasts — p. 339–368.
642. Pasternak D. — Primary production of field with winter wheat — p. 369–378.
643. Symonides E. — Populations of *Spergula vernalis* Willd. on dunes in the Toruń Basin — p. 379–416.
644. Symonides E. — Morphological variability of *Spergula vernalis* Willd. from different dune biotopes of the Toruń Basin — p. 417–440.
645. Symonides E. — The phenology of *Spergula vernalis* Willd. in relation to microclimatic conditions — p. 441–456.
646. Symonides E. — The water economics of *Spergula vernalis* Willd. — p. 457–472.

## Nos. 3/4

## Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians)

647. Czerwiński Z., Kotowska J., Tatur A. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). I. Short geobotanical characteristics — p. 475–486.

648. Czerwiński Z., Tatur A. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). II. The soil-geological conditions — p. 487–504.
649. Traczyk T., Kochev Kh. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). III. Primary production of *Lolio-Cynosuretum* association — p. 505–516.
650. Plewczyńska-Kuraś U. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). IV. Biomass of the upper and underground parts of plants and of organic detritus — p. 517–526.
651. Andrzejewska L. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). V. Herbivores and their effect on plant production — p. 527–534.
652. Czerwiński Z., Tatur A. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). VI. The effect of penning-up sheep on some chemical properties of soil — p. 535–546.
653. Czerwiński Z., Jakubczyk H., Tatur A., Traczyk T. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). VII. The effect of penning-up sheep on soil, microflora and vegetation — p. 547–558.
654. Jakubczyk H. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). VIII. Development of microflora in dung and in soil of a spring sheep-fold — p. 559–568.
655. Jakubczyk H. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). IX. Decomposition processes and development of microflora in the soil — p. 569–588.
656. Olechowicz E. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). X. Sheep dung and the fauna colonizing it — p. 589–616.
657. Breymeyer A. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). XI. The role of coprophagous beetles (Coleoptera, Scarabaeidae) in the utilization of sheep dung — p. 617–634.
658. Czerwiński Z., Jakubczyk H., Nowak E. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). XII. The effect of earthworms on the pasture soil — p. 635–650.
659. Wasilewska L. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). XIII. Quantitative distribution, respiratory metabolism and some suggestion on production of nematodes — p. 651–668.
660. Żyromska-Rudzka H. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). XIV. The occurrence of oribatid mites, intermediate hosts of cestodes — p. 669–678.
661. Pętał J. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). XV. The effect of pasture management on ant population — p. 679–692.
662. Delchev Kh., Kajak A. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). XVI. Effect of pasture management on the number and biomass of spiders (Araneae) in two climatic regions (the Pieniny and the Sredna Gora mountains) — p. 693–710.
663. Kajak A. — Analysis of a sheep pasture ecosystem in the Pieniny Mountains (the Carpathians). XVII. Analysis of the transfer of carbon — p. 711–732.

Vol. XXIII: 1975

No. 1

664. Borowiec S., Gładoch M., Honczarenko J., Kwarta H., Zembrzaska D. — Changes in the composition of an agrocenose as assessed twenty-two years after treatment with excessive amounts of Verindal F (Streumittel) p. 3–18.
665. Stepa T. — The effect of properties of microhabitats formed on various metamorphic schists on vegetation — p. 19–63.
666. Aulak W. — A comparison of the production of the ground flora and of the rate of organic fall in two areas of the association *Circaeo-Alnetum* Oberd., 1953, in the Białowieża National Park — p. 65–81.
667. Józefaciukowa W. — The biomass of the root systems of the pine and oak in the Kampinos National Park — p. 83–92.
668. Józefaciukowa W. — Variation in the fall rate of plant debris from trees in the association *Vaccinio myrtilli-Pinetum typicum* (Kobendza 1930) Br.-Bl. et Vlieger 1939 in the Kampinos National Park — p. 93–101.

669. Stachurski A., Zimka J. R. — Leaf fall and the rate of litter decay in some forest habitats — p. 103–108.
670. Gowin T. — Assimilatory organs of Scots pine (*Pinus silvestris* L.) seedlings of different provenience on comparative plantations in three regions of Poland — p. 109–128.
671. Anasiewicz A. — The bees (Apoidea, Hymenoptera) on alfalfa (*Medicago mediā* Pers.) plantations. I. The species composition and variation of flights — p. 129–146.
672. Anasiewicz A. — The bees (Apoidea, Hymenoptera) on alfalfa (*Medicago media* Pers.) plantations. II. Trophic relationship to vegetation — p. 147–162.
673. Ciesielska Z. — Studies of interspecies competition at early growth stages of a population of granary beetles (*Oryzaephilus surinamensis* L., *Sitophilus granarius* L. and *Rhizopertha dominica* F.) — p. 163–183.
674. Suski Z. W., Badowska T. — Effect of the host plant nutrition on the population of the two spotted spider mite, *Tetranychus urticae* Koch (Acarina, Tetranychidae) — p. 185–209.
675. Dolnik V. R., Gavrilov V. M. — A comparison of the seasonal and daily variations of bioenergetics, locomotor activities and major body composition in the sedentary House Sparrow (*Passer d. domesticus* (L.)) and the migratory "Hindian" Sparrow (*P. d. bactrianus* Dar. et Kudash.) — p. 211–226.

## No. 2

676. Głowaciński Z. — Succession of bird communities in the Niepołomice Forest (Southern Poland) — p. 231–263.
677. Kaczmarek M. — An analysis of Collembola communities in different pine forest environments — p. 265–293.
678. Kajak Z., Dusoge K. — Macrobenthos of Lake Taltowisko — p. 295–316.
679. Lewandowski K., Stańczykowska A. — The occurrence and role of bivalves of the family Unionidae in Mikołajskie Lake — p. 317–334.
680. Krylov D.G. — Tendency to grouping in spatial distribution of small mammals in a forest habitat — p. 335–345.
681. Sawicka-Kapusta K., Dobrołęcka M., Drożdż A., Tertil R. — Bioenergetic parameters of experimental groups of common voles (*Microtus arvalis* (Pall. 1779)) — p. 347–365.

## No. 3

682. Soszka G. J. — The invertebrates on submerged macrophytes in three Masurian lakes — p. 371–391.
683. Soszka G. J. — Ecological relations between invertebrates and submerged macrophytes in the lake littoral — p. 393–415.
684. Urban E. — The mining fauna in four macrophyte species in Mikołajskie Lake — p. 417–435.
685. Kajak Z., Dusoge K. — Macrobenthos of Mikołajskie Lake — p. 437–457.
686. Nowak E. — Population density of earthworms and some elements of their production in several grassland environments — p. 459–491.
687. Morow K. — Moose population characteristics and range use in the Augustów Forest — p. 493–506.

## No. 4

688. Kowalczewski A. — Periphyton primary production in the zone of submerged vegetation of Mikołajskie Lake — p. 509–543.
689. Mochacka-Ławacz H. — Description of the common reed (*Phragmites communis* Trin.) against habitat conditions, and its role in the overgrowing of lakes — p. 545–571.
690. Kajak Z., Kajak A. — Some trophic relations in the benthos of shallow parts of Marion Lake — p. 573–586.
691. Zachwieja J. — Seasonal and several years' fluctuations of temperature, oxygen content and water visibility in the Mamry Lake complex — p. 587–601.
692. Polakowski B., Rejowski A., Rytelowski J. — Dynamics of the vegetation of new managed meadows — p. 603–625.
693. Réjment-Grochowska I., Sobotka D., Mickiewicz J., Lepiarz-Wittner E. — Production of moss biomass in uncultivated meadows — p. 627–635.
694. Stachurski A., Zimka J. R. — Methods of studying forest ecosystems: leaf area, leaf production and withdrawal of nutrients from leaves of trees — p. 637–648.



695. Grüm L. — Mortality patterns in carabid populations — p. 649–665.  
 696. Grüm L. — Growth rate of the *Carabus* L. larvae (Col., Carabidae) — p. 667–671.  
 697. Grüm L. — An attempt to estimate production of a few *Carabus* L. species (Col., Carabidae) — p. 673–680.

## Vol. XXIV: 1976

## No. 1

698. Rajska-Jürgiel E. — Interactions between individuals of a population of the bank vole, *Clethrionomys glareolus* (Schreber, 1780) — p. 3–35.  
 699. Grüm L. — Biomass production of carabid-beetles in a few forest habitats — p. 37–56.  
 700. Stachurski A., Zimka J. R. — Methods of studying forest ecosystems: microorganisms and saprophage consumption in the litter — p. 57–67.  
 701. Podsiadło E. — Dispersal of individuals of *Asterodiaspis variolosa* (Ratzeburg) (Homoptera, Coccoidea, Asterolecaniidae) on host plants from their hatching place — p. 69–76.  
 702. Kajak Z., Duso K. — Benthos of Lake Śniardwy as compared to benthos of Mikołajskie Lake and Lake Tałtowisko — p. 77–101.  
 703. Stańczykowska A. — Biomass and production of *Dreissena polymorpha* (Pall.) in some Masurian lakes — p. 103–112.  
 704. Penczak T., Moliński M., Zalewski M. — The contribution of autochthonous and allochthonous matter to the trophy of a river in the barbel region — p. 113–121.

## No. 2

705. Olechowicz E. — The role of coprophagous dipterans in a mountain pasture ecosystem — p. 125–165.  
 706. Zdanowski B. — The influence of mineral fertilization on phytoplankton production in lakes of various trophic types — p. 167–195.  
 707. Gliwicz Z. M. — Stratification of kinetic origin and its biological consequences in a neotropical man-made lake — p. 197–209.  
 708. Guziur J. — The feeding of two year old carp (*Cyprinus carpio* L.) in a vendace Lake Klawój — p. 211–235.  
 709. Wojciechowska W. — Dynamics of phytoplankton biomass in two lakes of a different limnological character — p. 237–252.  
 710. Stachurski A., Zimka J. R. — Methods of studying forest ecosystems: nutrient release from the decomposing litter — p. 253–262.  
 711. Mianowska E. — Research on the biology and ecology of *Panagrolaimus rigidus* (Schneider) Thorne. IV. Effect of temperature and soil moisture on the growth and structure of a population — p. 263–271.  
 712. Mianowska E. — Research on the biology and ecology of *Panagrolaimus rigidus* (Schneider) Thorne. V. Effect of temperature on fecundity and development — p. 273–279.

## No. 3

713. Olszowski J. — The effect of fertilization on a pine forest ecosystem in an industrial region. I. Forest stand volume increment — p. 285–297.  
 714. Olszowski J., Warteresiewicz M. — The effect of fertilization on a pine forest ecosystem in an industrial region. II. Sulphur content and some morphological characters of the needles — p. 299–306.  
 715. Guzikowa M., Latocha E., Pancer-Kotejowa E., Zarzycki K. — The effect of fertilization on a pine forest ecosystem in an industrial region. III. Herbs — p. 307–318.  
 716. Heinrich Z., Wojewoda W. — The effect of fertilization on a pine forest ecosystem in an industrial region. IV. Macromycetes — p. 319–330.  
 717. Olszowski J. — The effect of fertilization on a pine forest ecosystem in an industrial region. V. Chemical properties of the soils — p. 331–344.  
 718. Olszowski J. — The effect of fertilization on a pine forest ecosystem in an industrial region. VI. Biological activity of the soils — p. 345–358.

719. Olszowski J. — The effect of fertilization on a pine forest ecosystem in an industrial region. VII. Summary of the studies — p. 359–363.
720. Grüm L. — An attempt to characterize matter transfer by carabid communities inhabiting forests — p. 365–375.
721. Tomek A., Jamrozy G., Kubacki T., Tomek Z. — Standing crop and consumption of herb layer plants in the fresh coniferous forest — p. 377–389.
722. Kaszubiak H., Kaczmarek W., Durska G. — Feeding of soil microbial community on organic matter from its dead cells. — p. 391–397.
723. Kaczmarek W., Kaszubiak H., Pędziwiłk Z. — The ATP content in soil microorganisms — p. 399–406.
724. Jesiotr L. J., Suski Z. W. — The influence of the host plants on the reproduction potential of the twospotted spider mite, *Tetranychus urticae* Koch (Acarina: Tetranychidae) — p. 407–411.
725. Jesiotr L. J. — The injurious effects of the twospotted spider mite (*Tetranychus urticae* Koch) on greenhouse carnations — p. 413–419.
726. Gasith A., Ławacz W. — Breakdown of leaf litter in the littoral zone of a eutrophic lake — p. 421–430.
727. Kołodziejczyk A. — Ecological characteristics of the eulittoral of four water bodies in Warsaw — p. 431–446.
728. Wojciechowska W. — Biomass dynamics of dominant species in the phytoplankton of two lakes varying in trophy — p. 447–459.
729. Prus T. — Experimental and field studies on ecological energetics of *Asellus aquaticus* L. (Isopoda). I. Assimilability of lipids, proteins and carbohydrates — p. 461–472.
730. Penczak T., Zalewski M., Moliński M., Szpoton K. — The ecology of roach, *Rutilus rutilus* (L.), in the barbel region of the polluted Pilica river. I. Growth — p. 473–489.

## No. 4

731. Zimka J. R., Stachurski A. — Vegetation as a modifier of carbon and nitrogen transfer to soil in various types of forest ecosystems — p. 493–514.
732. Leśniak A. — Climatic and meteorological conditions of the pine moth (*Dendrolimus pini* L.) outbreaks — p. 515–547.
733. Leśniak A. — Forest stand and site conditions of a pine moth (*Dendrolimus pini* L.) outbreaks — p. 549–563.
734. Leśniak A. — Certain trophic and intrapopulation conditions of the pine moth (*Dendrolimus pini* L.) outbreaks — p. 565–576.
735. Wojciechowski M., Miszta A. — Spatial and seasonal structure of ant communities in a mountain meadow — p. 577–592.
736. Wasilewska L., Paplińska E. — Method of soil sampling and estimations of numbers, biomass and the community structure of soil nematodes — p. 593–606.
737. Prus T. — Experimental and field studies on ecological energetics of *Asellus aquaticus* L. (Isopoda). II. Respiration at various temperatures as an element of energy budget — p. 607–621.
738. Penczak T., Moliński M., Kusto E., Palusiak K., Panusz H., Zalewski M. — The ecology of roach, *Rutilus rutilus* (L.), in the barbel region of the polluted Pilica river. II. Dry weight, ash and contents of some elements — p. 623–638.
739. Olszewski J. L. — Dew at various heights above ground — p. 639–668.

## Vol. XXV: 1977

## No. 1

740. The Editorial Board — Twenty-five years of "Ekologia Polska" — p. 3–4.
741. Prejs K. — The nematodes of the root region of aquatic macrophytes, with special consideration of nematode groupings penetrating the tissues of roots and rhizomes — p. 5–20.
742. Prejs K. — The littoral and profundal benthic nematodes of lakes with different trophy — p. 21–30.
743. Prejs K. — The species diversity, numbers and biomass of benthic nematodes in central part of lakes with different trophy — p. 31–44.
744. Pieczyński E. — Numbers and biomass of the littoral fauna in Mikołajskie Lake and in other Masurian lakes — p. 45–57.

745. Prus T. — Experimental and field studies on ecological energetics of *Asellus aquaticus* L. (Isopoda). III. Population dynamics on the background of macrobenthos occurrence in the littoral zone of Powsińskie Lake — p. 59–74.
746. Penczak T., Moliński M., Kusto E., Ichniowska B., Zalewski M. — The ecology of roach, *Rutilus rutilus* (L.), in the barbel region of the polluted Pilica river. III. Lipids, protein, total nitrogen and calorificity — p. 75–88.
747. Izdebski K., Kimsa T., Kozak K., Michna E., Popiołek Z., Stączek A., Zinkiewicz A. — The effect of habitats in two forest ecosystems on the productivity of pine stands in Central Roztocze. III. Results — p. 89–105.
748. Syrek D., Janusz B. — Spatial structure of populations of spiders *Trochosa terricola* Thorell, 1856, and *Pardosa pullata* (Clerck, 1758) — p. 107–113.
749. Prus M., Prus T. B. — Energy budget of *Tribolium castaneum* (Hbst) at the population level — p. 115–134.
750. Nowosielski J. W., Łabanowski G. S., Koślińska M. — Daily rhythm of adult eclosion of the codling moth *Laspeyresia pomonella* (L.) — p. 135–144.
751. Rejman S., Jesiotr L. J. — Sample size and number of replications in study of the twospotted spider mite population (*Tetranychus urticae* Koch) by using life table method — p. 145–151.
752. Kossowski J., Sikora E. — Effect of plant cover growth on the heat accumulation in the soil in a potato field — p. 153–161.
753. Kossowski J., Sikora E. — Comparison of heat accumulation in the soil in a rye field, potato field and in a field without plant cover — p. 163–173.

## No. 2

754. Gliwicz Z. M. — Food size selection and seasonal succession of filter feeding zooplankton in an eutrophic lake — p. 179–225.
755. Kajak Z., Spodniewska I., Wiśniewski R. J. — Studies on food selectivity of silver carp, *Hypophthalmichthys molitrix* (Val.) — p. 227–239.
756. Penczak T., Zalewski M., Moliński M., Gajos M. — The ecology of roach, *Rutilus rutilus* (L.), in the barbel region of the polluted Pilica river. IV. Elements of production and food consumption — p. 241–255.
757. Borowiec S., Kutyna I., Skrzyczyńska J. — Occurrence of cropfield weed associations against environmental conditions in West Pomerania — p. 257–273.
758. Dąbrowska J. — Effect of soil moisture on some morphological characters of *Achillea collina* Becker, *A. millefolium* L. ssp. *millefolium* and *A. pannonica* Scheele — p. 275–288.
759. Kaszubiak H., Kaczmarek W., Pędziwilk Z. — Comparison of different methods for estimating the productivity of microorganisms in soil — p. 289–296.
760. Legendre P., Chodorowski A. — A generalization of Jaccard's association coefficient for  $Q$  analysis of multi-state ecological data matrices — p. 297–308.
761. Anasiewicz A., Warakomska Z. — Pollen food of the bumble-bees (*Bombus* Latr., Hymenoptera) and their association with the plant species in the Lublin region — p. 309–322.
762. Mianowska E. — Research on the biology and ecology of *Panagrolaimus rigidus* (Schneider) Thome. VI. The influence of the population's origin and breeding conditions on morphometric features — p. 323–331.
763. Nowosielski J. W., Suski Z. W., Koślińska M. — Observations on the mating behaviour of the codling moth, *Laspeyresia pomonella* (L.). I. Duration of copulation and estimation of mating frequency — p. 333–340.
764. Nowosielski J. W., Suski Z. W. — Observations on the mating behaviour of the codling moth, *Laspeyresia pomonella* (L.). II. Temporal patterns of copulatory behaviour in relation to the age of the moths and the time of day — p. 341–352.

## No. 3

765. The Editorial Board — Introduction — p. 357–358.
766. Traczyk T., Traczyk H. — Structural characteristics of herb layer and its production in more important forest communities of Poland — p. 359–378.
767. Hillbricht-Ilkowska A., Rybak J. I., Kajak Z., Dusoge K., Ejsmont-Karabin J., Spodniewska I., Węgleńska T., Godlewska-Lipowa W. A. — Effect of liming on a humic lake — p. 379–420.

768. Kajak Z. — Factors influencing benthos biomass in shallow lake environments — p. 421–429.
769. Szczepańska W. — Interactions of *Phragmites communis* Trin. and *Carex Hudsonii* Bennet — p. 431–436.
770. Szczepańska W. — The effect of remains of helophytes on the growth of *Phragmites communis* Trin. and *Typha latifolia* L. — p. 437–445.
771. Steigen A. L., Klekowski R. Z. — Oxygen consumption in Collembola from two forest biotopes — p. 447–454.
772. Fischer Z., Andrzejewska L. — Assimilation of main food components and respiration of larvae of *Arctia caja* L. (Lepidoptera). I. Experiments with food of an average nitrogen content — p. 455–465.
773. Olechowiec E. — Changes in the composition and numbers of Diptera under the influence of mineral fertilization of meadows — p. 467–490.
774. Mochnacka-Ławacz H., Żyromska-Rudzka H. — Chemical composition of the body of oribatid mites (Acarina-Oribatei) from a meadow with mineral fertilization — p. 491–499.
775. Ryszkowski L., Karg J. — Variability in biomass of epigeic insects in the agricultural landscape — p. 501–517.
776. Ryl B. — Enchytraeids (Oligochaeta, Enchytraeidae) on rye and potato fields in Turew — p. 519–529.
777. Gałęcka B. — Effect of aphid feeding on the water uptake by plants and on their biomass — p. 531–537.
778. Bilewicz-Pawińska T. — Parasitism of *Adelphocoris lineolatus* Goeze and *Lygus rugulipennis* Popp. (Heteroptera) by braconids and their occurrence on alfalfa — p. 539–550.
779. Czerwińska A. — The occurrence of fleas on population of *Microtus arvalis* (Pallas 1779) on experimental areas under agrotechnical treatment — p. 551–559.

## No. 4

780. Pieczyński E. — Institute of Ecology, Polish Academy of Sciences — 25 years of activities (1952–1977) — p. 563–566.
781. Gliwicz Z. M., Prejs A. — Can planktivorous fish keep in check planktonic crustacean populations? A test of size efficiency hypothesis in typical Polish lakes — p. 567–591.
782. Prus T. — Experimental and field studies on ecological energetics of *Asellus aquaticus* L. (Isopoda). IV. Energy budget of a population in the littoral zone of Powsińskie Lake — p. 593–623.
783. Januszko M. — The influence of fertilization on phytoplankton in ponds with varied development of biocoenose — p. 625–634.
784. Symonides E. — Mortality of seedlings in natural psammophyte populations — p. 635–651.
785. Kaczmarek M., Wasilewski A. — Dynamics of numbers of the leaf-eating insects and its effect on foliage production in the "Grabowy" reserve in the Kampinos National Park — p. 653–673.
786. Szperliński Z., Badowska K. — Significance of sorption properties of soils in predicting the migration of nitrogen compounds into natural waters — p. 675–688.
787. Szperliński Z., Badowska K. — The effect of intense fertilization on migration of nitrogen compounds in soil — p. 689–702.

## 3. AUTHORS' INDEX

- |  |  |
|--|--|
| Adamczewska-Andrzejewska K. A. 339                               | Badowska K. 786, 787                               |
| Adamczyk K. 295  | Badowska T. 674                                    |
| Anasiewicz A. 152, 216, 423, 501, 507, 671, 672, 761             | Badura L. 356                                      |
| Andrychowska R. 113  | Badurowa M. 356                                    |
| Andrzejewska L. 136, 258, 262, 383, 438, 485, 486, 489, 651, 772 | Bajan C. 413, 458, 475, 517, 551–553, 612, 615–617 |
| Andrzejewski R. 146, 151, 168, 333, 336                          | Bałaży S. 378                                      |
| Aulak W. 337, 452, 666   | Bałut S. 59  |
| Babińska J. 566  | Baradziej E. 630                                   |
|  | Baroni Urbani C. 524                               |
|  | Bazan-Strzelecka H. 182, 210                       |

- Bęczkowski J. 586  
 Bernatowicz S. 236, 287, 290, 416  
 Bezděk R. 207  
 Bień Z. 126  
 Biernacka I. 354, 357  
 Bilewicz T. see Bilewicz-Pawińska T.  
 Bilewicz-Pawińska T. 69, 118, 256, 314, 430, 475, 633, 778  
 Bittel L. 70  
 Boczek J. 40, 57, 581  
 Bonavita-Cougourdan A. 534  
 Bońkowska T. 461  
 Borkowski D. 148  
 Borowiec S. 540, 579, 640, 664, 757  
 Bownik L. J. 457  
 Breymeyer A. 116, 261, 489, 490, 492, 537, 657  
 Brian M. V. 525  
 Brzeski M. see Brzeski M. W.  
 Brzeski M. W. 161, 401, 402  
 Busse P. 252  
 Bysiek M. 463
- Cabejszek I. 578  
 Capecki Z. 173  
 Celiński F. 222, 240  
 Charzewski J. 269  
 Chełkowska H. 335, 338, 432, 434  
 Chłodny J. 323, 325, 369, 412, 427  
 Chmielewski W. 296, 468, 471, 477  
 Chmurzyński J. A. 66  
 Chodorowski A. 417, 760  
 Chodzicki E. 36  
 Chudyba H. 576  
 Chwastek M. 231  
 Cichy D. 311, 398, 509  
 Ciepielewski W. 598, 599  
 Ciesielska Z. 133, 285, 493, 543, 673  
 Cukerzis J. 376  
 Czajkowska B. 581  
 Czaplicki E. 250  
 Czaplińska S. 20, 46  
 Czapska M. 328  
 Czarnecki Z. 41, 64  
 Czarnowski M. S. 321, 387, 495  
 Czeczuga B. 450  
 Czerwińska A. 779  
 Czerwiński A. 330  
 Czerwiński Z. 481, 536, 647, 648, 652, 653, 658
- Dąbrowska E. see Dąbrowska-Prot E.  
 Dąbrowska J. 758  
 Dąbrowska-Prot E. 30, 90, 109, 227, 292, 367, 385, 388, 459, 619  
 Dąbrowski M. J. 2, 63  
 Dąbrowski Z. T. 439, 472  
 Danilov N. 418
- De Bruyn G. J. 529, 530, 533  
 Delchev Kh. 662  
 Diehl B. 491  
 Dlussky G. M. 528  
 Dmoch J. 242, 251  
 Dobrinskij L. 418  
 Dobrołęcka M. 681  
 Dobrowolski K. A. 79, 84, 120, 126, 155, 224, 391  
 Dolnik V. R. 675  
 Domagała-Lipińska A. 140  
 Dominik T. 71, 197, 248, 301, 349, 393, 462, 623  
 Domurat K. 249, 389, 467, 514, 515  
 Drozdowicz A. 294, 379  
 Drożdż A. 681  
 Durska G. 722  
 Dusoge K. 298, 374, 505, 605, 678, 685, 702, 767  
 Dyrz A. 428  
 Dzieciołowski R. 309, 409, 411, 465  
 Dziuba S. 570
- Ehrlich S. 56, 65  
 Einszporn T. 65  
 Ejsmont-Karabin J. 639, 767  
 Ermich K. 58, 174, 220, 245  
 Eşanu V. 191
- Falińska K. 364, 508, 621  
 Feijen H. R. 529  
 Filipek P. 471  
 Fischer Z. 772  
 Foksowicz T. 41, 54  
 Frydlewicz-Ciesielska Z. see Ciesielska Z.
- Gajos M. 756  
 Gałęcka B. 8, 143, 275, 408, 519, 777  
 Galinat A. 5  
 Gasith A. 726  
 Gaspar C. 535  
 Gavrilov V. M. 675  
 Gawryluk E. 179  
 Gentle S. W. 321, 495  
 Gerlaczyńska B. 618  
 Gładoch M. 664  
 Głazek T. 390  
 Gliwicz J. 332, 333  
 Gliwicz Z. M. 358, 425, 707, 754, 781  
 Głogowska J. 151  
 Głogowski K. 250  
 Głowaciński Z. 585, 676  
 Godlewska-Lipowa W. A. 548, 767  
 Godzik S. 431  
 Gołębiowska Z. 368, 471  
 Goosen-De Roo L. 529  
 Góral I. 360  
 Górny M. 359, 365, 381  
 Górski T. 636

- Goryński A. 241, 310  
 Gotzman J. 228, 243  
 Gowin T. 276, 360, 567, 568, 591, 670  
 Graczyk R. 85, 137  
 Grądziński F. 450  
 Grębecki A. 27, 122, 123, 187  
 Gregorczuk M. 518, 520  
 Greszta J. 431, 641  
 Grinn U. 540  
 Groba J. 601  
 Grodziński W. 86  
 Gromadska M. 26, 61, 111, 112, 179  
 Gromadzka J. 322, 362, 446, 497  
 Gromadzki M. 263, 405, 447  
 Grüm L. 91, 145, 255, 312, 474, 476, 695–697, 699, 720  
 Grygierek E. 78, 306, 494  
 Grzybowska D. 463  
 Gurzęda A. 234  
 Guzikowa M. 715  
 Guziur J. 708  
  
 Hadley M. 538  
 Hallander H. 436  
 Hasior H. 557, 558  
 Heinrich Z. 716  
 Herbichowa M. 392, 407, 414  
 Hillbricht A. see Hillbricht-Ilkowska A.  
 Hillbricht-Ilkowska A. 117, 139, 219, 235, 264, 403, 460, 545, 602–604, 767  
 Honczarenko J. 664  
 Horn E. 421  
 Horszczaruk I. 294  
 Hubregtse-Van Den Berg A. I. M. 529  
 Humphreys F. R. 321, 495  
 Hutorowicz H. 149, 371  
  
 Ichniowska B. 746  
 Ilnatowicz A. 623  
 Izdebski K. 159, 747  
  
 Jabłońska I. 548  
 Jabłoński B. 239, 307  
 Jakubczyk H. 433, 482, 536, 590, 653–655, 658  
 Jakubiec Z. 563  
 Jakuszewski T. 304  
 Jamrozy G. 721  
 Jana B. B. 637  
 Janion S. M. 373, 628  
 Janusz B. 748  
 Januszko M. 783  
 Javornický P. 271  
 Jaworska M. 595  
 Jaworski J. 124, 154, 181, 198, 281  
 Jesiotr L. see Jesiotr L. J.  
 Jesiotr L. J. 589, 724, 725, 751  
  
 Jezierski W. 562, 571  
 Józefaciukowa W. 667, 668  
  
 Kabacik D. see Kabacik-Wasylik D.  
 Kabacik-Wasylik D. 153, 440, 502, 506, 516, 595, 611  
 Kaczmarek M. 165, 677, 785  
 Kaczmarek S. 596  
 Kaczmarek W(anda) 722, 723, 759  
 Kaczmarek W(ojciech) 9, 44, 47, 101, 178  
 Kajak A. 107, 131, 142, 259, 383, 488, 490, 519, 537, 662, 663, 690  
 Kajak Z. 81, 97, 108, 134, 162, 176, 193, 203, 229, 374, 386, 505, 605, 610, 678, 685, 690, 702, 755, 767, 768  
 Kamiński A. 318, 370, 410, 414, 443  
 Kamler E. 247  
 Karabin A. 638  
 Karassowska K. 114  
 Karg J. 350, 397, 420, 587, 775  
 Kaszubiak H. 722, 723, 759  
 Kawecka A. 577  
 Kimsa T. 747  
 Kinastowski W. 27  
 Klekowski R. Z. 586, 771  
 Kmitowa K. 413, 458, 516, 517, 551–553, 611–613  
 Kobuszevska D. M. 609  
 Kochev Kh. 629, 649  
 Kołder W. 230  
 Kołodziejczyk A. 727  
 Kopein K. 418  
 Kopyłow H. 623  
 Koślińska M. 750, 763  
 Kossakowski J. 253  
 Kossowski J. 752, 753  
 Kosturkevič A. 200  
 Kot J. 206, 448  
 Kotowska J. 647  
 Kowal T. 479  
 Kowalczewski A. 545, 584, 688  
 Kowalska T. 205, 399, 500  
 Kozak K. 747  
 Kozikowska Z. 141  
 Kozłowska A. 422, 550  
 Kozłowska J. 249, 319, 389, 513–515  
 Kozłowski S. 11  
 Krankowska-Sznajder B. 1  
 Król S. 283  
 Kruk-De Bruin M. 533  
 Krupińska A. 479  
 Krylov D. G. 680  
 Kubacki T. 721  
 Kubicka H. 575  
 Kuc M. 215  
 Kukielska C. 620

- Kupianskaya A. N. 528  
 Kusto E. 738, 746  
 Kutyna I. 540, 640, 757  
 Kuźniar K. 3, 12, 13, 17, 21, 35, 53, 88  
 Kuźnicki L. 27  
 Kwarta H. 664
- Łabanowski G. S. 750  
 Latocha E. 715  
 Latowski K. 479  
 Ławacz W. 237, 726  
 Łazowska M. 4  
 Lecewicz W. 583  
 Legendre P. 760  
 Lelek A. 207  
 Le Masne G. 534  
 Lenczewski J. 68  
 Leonowicz-Babiakowa K. 455  
 Lepiarz-Wittner E. 693  
 Łęski R. 589  
 Leśniak A. 732–734  
 Leszczyński L. 317  
 Léveux J. 521  
 Lewandowski K. 679  
 Lewulis T. 52  
 Libosvářský J. 207, 214, 302, 449  
 Lipa J. J. 296, 499  
 Łosiński J. 15  
 Łotocki A. 567  
 Łuczak J(adwiga) 18, 38, 93, 167, 274, 367, 385,  
 388, 464, 619  
 Łuczak J(erzy) 578  
 Lusk S. 449  
 Łykowski B. 441
- Mabelis A. A. 530  
 Macháček Z. 207  
 Maciak F. 270  
 Mackowicz R. 456  
 Majchrowicz I. 197, 248, 301, 349, 393, 462  
 Makulec G. 484  
 Maleszewska J. 578  
 Małicki L. 375  
 Maliszewska Z. 266, 267  
 Manikowski S. 415  
 Mattice J. S. 559  
 Matusiak K. 33  
 Matuszkiewicz A. 1, 16, 22, 24  
 Matuszkiewicz W. 1, 6, 22, 24  
 Mazur T. 279, 329, 380, 420, 427  
 Mianowska E. 513, 711, 712, 762  
 Michna E. 747  
 Mickiewicz J. 693  
 Miętkiewski R. 623  
 Migula P. 631  
 Mikulska I. 43
- Mikulski J. S. 42, 114  
 Miszta A. 735  
 Mochnacka-Ławacz H. 689, 774  
 Moliński M. 704, 730, 738, 746, 756  
 Moraczewski R. 148  
 Morow K. 687  
 Moszyńska B. 470, 573, 594  
 Myrcha A. 572
- Nabągło L. 588  
 Narkiewicz-Jodko J. 51  
 Nekrasov E. 418  
 Nielsen M. G. 527  
 Niemczyk E. 172  
 Niwiński Z. 278  
 Nowak E. 483, 658, 686  
 Nowosielski J. W. 750, 763, 764
- Olech B. 510  
 Olechowicz E. 487, 489, 537, 656, 705, 773  
 Olszewski J. L. 555, 634, 739  
 Olszewski P. 7  
 Olszowski J. 431, 549, 641, 713, 714, 717–719  
 Opuszyński K. 163, 175, 315, 317
- Pachlewski R. 28  
 Palusiak K. 738  
 Pancer-Kotejowa E. 715  
 Panusz H. 738  
 Paplińska E. 736  
 Park T. 580  
 Paschalski J. 83  
 Pasternak D. 642  
 Patalas K. 25, 32  
 Pawłowski J. 135  
 Peakin G. J. 526  
 Pędziwilk Z. 723, 759  
 Peñáz M. 207  
 Penczak T. 546, 627, 704, 730, 738, 746, 756  
 Pętał J. 489, 490, 522, 536, 537, 661  
 Petruszewicz K. 73, 96, 113, 146, 164, 168, 185,  
 187–190, 284, 295, 333  
 Pic S. 479  
 Pieczyńska E. 94, 132, 180, 183, 204, 236, 564,  
 607  
 Pieczyński E. 87, 106, 127, 166, 180, 226, 324,  
 454, 608, 744, 780  
 Pielowski Z. 79, 115, 125, 155, 541  
 Pinowski J. 37, 79, 98, 155, 268, 299, 346, 456  
 Pisarski B. 532  
 Plewczyńska U. see Plewczyńska-Kuraś U.  
 Plewczyńska-Kuraś U. 469, 650  
 Podsiadło E. 701  
 Pohl Z. 29  
 Polakowska M. 260  
 Polakowski B. 692  
 Pomianowska-Pilipiuk I. 632

- Popiołek Z. 747  
 Popovici-Băznoșano A. 99  
 Prabucki J. 561  
 Prejs A. 374, 396, 454, 600, 604, 781  
 Prejs K. 442, 565, 584, 741–743  
 Prus M. 749  
 Prus T. 129, 180, 188, 288, 361, 580, 729 737,  
 745, 749, 782  
 Prus T. B. see Prus T.  
 Pruszyński S. 499  
 Przybylska M. 112  
 Przybylski Z. 435, 437  
 Przytocka-Jusiak M. 372  
 Puzskar L. 542  
  
 Radomski C. 144, 157, 186  
 Rajska-Jurgiel E. 698  
 Rejman S. 751  
 Rejment-Grochowska I. 693  
 Rejowski A. 692  
 Reznikova J. I. 531  
 Riabinin S. 39, 74, 82  
 Rudzka H. see Żyromska-Rudzka H.  
 Rybak J. I. 104, 201, 202, 424, 560, 636, 767  
 Rybak M. 201, 202  
 Rybicki M. 10  
 Ryl. B. 776  
 Ryszkowski L. 31, 139, 335, 340, 775  
 Rytelowski J. 692  
  
 Samochwalenko T. 556  
 Sandner H. 14, 311, 326, 327, 389, 547, 592  
 Sands W. A. 523  
 Sarosiek J. 455  
 Sawicka-Kapusta K. 681  
 Schmidt E. 223  
 Serafiński W. 244, 297, 353, 377, 426  
 Sikora E. 752, 753  
 Sikorowa A. 199, 352, 355  
 Skierska B. 254  
 Skoczylas R. 128  
 Skrzyczyńska J. 640, 757  
 Smirnov V. 196  
 Sobotka D. 693  
 Sokołowska W. see Wojciechowska W.  
 Sokołowski A. W. 102, 130  
 Sokołowski J. 54  
 Solińska B. 177  
 Soszka G. see Soszka G. J.  
 Soszka G. J. 382, 682, 683  
 Spodniewska I. 48, 77, 183, 195, 232, 305, 320,  
 403, 419, 504, 545, 584, 602, 626, 755, 767  
 Stachurska T. 404  
 Stachurski A. 366, 539, 624, 669, 694, 700, 710,  
 731  
 Stączek A. 747  
  
 Stańczykowska A. 100, 105, 225, 282, 372, 556,  
 565, 606, 679, 703  
 Stanisławska J. 578  
 Starmach K. 34  
 Starý P. 221  
 Starzecki W. 89  
 Stebaev I. V. 531  
 Steigen A. L. 771  
 Stejgwiłło-Laudańska B. 502  
 Stepa T. 665  
 Strawiński K. 49, 55, 72, 92, 218, 272, 273  
 Surmacz W. 273  
 Suski Z. W. 496, 674, 724, 763, 764  
 Symonides E. 643–646, 784  
 Syrek D. 748  
 Szczepańska W. 769, 770  
 Szczygieł A. 293, 557, 558  
 Szlauer L. 582  
 Szmidt A. 308, 544  
 Szperliński Z. 786, 787  
 Szpoton K. 730  
 Szwykowska M. M. 429  
 Szyszko J. 635  
  
 Tadajewski A. 60, 280  
 Tarwid K. 30, 180, 202, 385  
 Tarwid M. 395  
 Tatur A. 647, 648, 652, 653  
 Tertil R. 681  
 The Editorial Board 0, 740, 765  
 Tomaszewski C. 45  
 Tomaszewski J. 158  
 Tomek A. 721  
 Tomek Z. 721  
 Traczyk H. 344, 498, 573, 766  
 Traczyk T. 1, 103, 277, 344, 345, 347, 480, 542,  
 573, 629, 649, 653, 766  
 Trojan P. 76, 110, 147, 175, 189, 194, 212, 238,  
 322, 334, 341, 342, 350, 351, 363, 406  
 Truszkowska W. 51, 52  
 Tschuschke A. 169  
 Tudorancea C. 400  
 Turček F. J. 291, 444, 554  
 Turoboyski L. 150  
  
 Urban E. 684  
 Uziak Z. 1, 6  
  
 Vidal P. 417  
  
 Walkowa W. 168, 209, 340, 343  
 Warakomska Z. 1, 6, 423, 507, 761  
 Warteresiewicz M(aria) 714  
 Warteresiewicz M(ariusz) 23  
 Wasilewska B. E. 574  
 Wasilewska L. 300, 313, 316, 394, 453, 511, 659,  
 736



- Wasilewski A. 79, 121, 155, 331, 541, 785  
 Wasylik A. 512, 592, 622  
 Waszkiewicz-Gliwicz J. see Gliwicz J.  
 Węgleńska T. 460, 503, 603, 604, 767  
 Węgorek W. 50, 250  
 Wiackowska I. 184  
 Wiackowski S. see Wiackowski S. K.  
 Wiackowski S. K. 67, 184  
 Wieloch M. 456  
 Wierzbicki K. 478  
 Wierzbowska T. 185, 340, 434, 473, 569  
 Wiktor J. 170  
 Wiktor K. 119  
 Wilkialis J. 208, 384, 466, 547  
 Wilska T. 96  
 Wilusz Z. 19, 62, 75  
 Wiśniewski J. 246  
 Wiśniewski R. J. 755  
 Witkowski T. 138  
 Włodek S. 217, 463  
 Wojciechowska B. 80, 110, 194, 212, 334, 341, 342, 406  
 Wojciechowska M. 517, 551, 614  
 Wojciechowska W. 583, 709, 728  
 Wojciechowski I. 583  
 Wójcik Z. 257, 348, 383, 438, 451, 486, 542, 593, 619  
 Wojewoda W. 716  
 Woyciechowski M. 735  
 Zachwieja J. 287, 445, 597, 691  
 Zalewski M. 627, 704, 730, 738, 746, 756  
 Zarzycki K. 715  
 Zawadzka B. 160  
 Zawiślak K. 156  
 Zawisza J. 598, 610  
 Zdanowski B. 706  
 Żelawska B. 303  
 Żelawski W. 276, 278, 303, 567  
 Zelený J. 408  
 Zelinka M. 214  
 Zembrzuska D. 664  
 Zimka J. see Zimka J. R.  
 Zimka J. R. 289, 625, 669, 694, 700, 710, 731  
 Zimny H. 171, 192, 233  
 Zinkiewicz A. 747  
 Żyromska-Rudzka H. 95, 188, 211, 213, 265, 286, 660, 774

#### 4. SUBJECT INDEX

##### 4.1. HABITATS

- Alfalfa crops 300, 313, 316, 375, 394, 423, 499, 671, 672, 778  
 Barley crops 249, 467  
 Brackish waters 14, 119, 170, 357, 382  
 Buildings 146, 185, 295, 373  
 Cabbage crops 369, 401  
 Caves 89, 417  
 Cultivated fields 8, 12, 13, 15, 17, 35, 37, 44, 47, 49, 50, 55, 62, 69, 75, 88, 98, 109, 118, 124, 138, 140, 143, 144, 152–154, 156, 178, 181, 198, 206, 223, 241, 242, 244, 248–251, 256, 257, 268, 272, 275, 279, 281, 293, 300, 304, 313, 314, 316, 318, 319, 322, 327, 334, 346, 348–351, 359, 363, 365, 369, 370, 375, 381, 392, 394, 397, 401, 405, 407, 408, 410, 414, 420, 422, 423, 429, 430, 437, 440, 441, 443, 446, 458, 461, 467, 499, 510, 540, 550, 552, 557, 558, 562, 571, 587, 590, 593, 595, 596, 611, 620, 640–642, 664, 671, 672, 723, 736, 752, 753, 757, 759, 761, 775, 776, 778, 779  
 Dunes 26, 90, 248, 373, 453, 511, 529, 643, 644–646, 784  
 Estuaries 119, 170, 357  
 Eulittoral zone 564, 574, 607, 609, 689, 727  
 Forests 1–3, 6, 9, 11–13, 16, 18, 19, 21–24, 28–30, 35–38, 41, 51, 53, 58, 63, 67, 69, 71, 76, 85, 86, 88, 90, 91, 93, 101–103, 109, 115, 116, 121, 125, 128, 130, 131, 135, 137, 140, 145, 151, 159, 165, 167, 173–175, 178, 194, 197, 200, 206, 212, 220, 222, 227, 238, 240, 244–246, 254, 255, 260, 261, 263, 266, 268, 269, 273, 274, 276, 278, 283, 289, 292, 297, 299, 307, 309, 312, 321, 330, 331, 333–339,

- 344–346, 353, 356, 360, 364, 366, 367, 373, 378, 385, 387, 388, 390, 404, 409, 411, 421, 426, 428, 431, 432, 434, 436, 451–453, 459, 464, 465, 469, 470, 474, 476, 479, 495, 498, 508, 511, 529, 530, 533, 534, 539, 541, 542, 544, 549, 555, 561, 567–569, 573, 577, 579, 585, 588, 591, 594, 619, 621, 624, 625, 628, 634, 635, 665–670, 676, 677, 680, 687, 694–701, 710, 713–721, 731–733, 747, 766, 775, 785
- Gardens and orchards 39, 46, 62, 160, 172, 184, 206, 216, 248, 435, 439, 472, 758
- Grasslands 20, 26, 38, 43, 52, 72, 92, 98, 107, 131, 133, 136, 142, 144, 148, 149, 157, 158, 171, 186, 192, 215, 233, 244, 245, 258, 259, 261, 262, 272, 277, 322, 347, 349, 371, 383, 433, 438, 441, 455, 480–492, 510, 521–523, 525–527, 531, 532, 535–537, 554, 562, 566, 571, 572, 575, 579, 619, 629, 630, 632, 643–663, 665, 686, 692, 693, 705, 735, 739, 748, 773, 774, 784
- Herb layer: botanical investigations 1, 2, 6, 63, 344, 345, 364, 451, 452, 469, 470, 479, 498, 542, 573, 594, 621, 666, 715, 719, 721, 766
- Lake drainage basin 636
- Lakes 4, 7, 14, 25, 27, 31, 42, 48, 60, 61, 68, 70, 87, 94, 104, 106, 114, 120, 127, 132, 134, 139, 141, 162, 163, 166, 169, 180, 183, 193, 201–204, 225, 226, 229, 236, 253, 271, 280, 282, 287, 290, 298, 305, 317, 320, 324, 352, 355, 358, 372, 374, 382, 391, 395, 396, 403, 416, 419, 424, 425, 442, 445, 450, 454, 457, 460, 466, 478, 503–505, 545, 547, 548, 556, 559, 560, 564, 565, 574, 582–584, 597–610, 618, 626, 636, 638, 639, 678, 679, 682–685, 688–691, 702, 703, 706, 708, 709, 726–728, 741–745, 754, 755, 767, 768, 781, 782.
- Littoral zone 4, 14, 27, 42, 48, 68, 70, 87, 94, 104, 106, 114, 120, 127, 132, 139, 166, 183, 201, 202, 204, 225, 226, 236, 253, 280, 287, 290, 298, 324, 382, 391, 416, 442, 454, 457, 466, 545, 547, 556, 559, 564, 565, 574, 582, 584, 605–610, 618, 679, 682–684, 688, 689, 703, 726, 727, 741, 742, 744, 745, 768, 782
- Man-made lakes 707
- Marshes 139, 400
- Meadows 20, 38, 43, 52, 72, 98, 107, 131, 133, 136, 142, 144, 148, 149, 157, 158, 171, 186, 192, 233, 245, 258, 259, 261, 262, 272, 277, 322, 347, 349, 371, 383, 433, 438, 441, 455, 480–492, 510, 522, 525, 532, 535–537, 562, 566, 571, 572, 575, 579, 619, 629, 630, 632, 647–663, 665, 686, 692, 693, 705, 735, 739, 748, 773, 774
- Pastures 144, 157, 186, 245, 349, 572, 579, 629, 647–663, 686, 705
- Peatbogs 270, 436, 444
- Pelagial zone 7, 25, 48, 104, 119, 169, 271, 305, 320, 358, 403, 419, 425, 445, 450, 460, 503, 504, 545, 548, 560, 582, 583, 626, 691, 706, 707, 709, 728, 754, 781
- Ponds 33, 34, 56, 65, 195, 208, 219, 232, 234, 235, 243, 264, 306, 332, 463, 466, 494, 637, 783
- Pools 77, 80, 81, 83, 84, 97, 100, 105, 108, 110, 162, 177, 182, 199, 207, 223, 224, 247, 254, 352, 355, 386, 466, 578, 627, 727
- Potato crops 44, 47, 49, 50, 181, 275, 350, 351, 363, 392, 394, 397, 410, 414, 420, 422, 437, 440, 550, 587, 590, 595, 596, 620, 752, 753, 776
- Profundal zone 134, 162, 180, 280, 282, 372, 374, 395, 396, 424, 442, 505, 565, 678, 685, 702, 742, 743
- Rape crops 152, 242, 251
- River drainage basin 148
- Rivers 31, 34, 77, 84, 97, 106, 148, 150, 163, 169, 210, 214, 224, 230, 271, 302, 317, 332, 384, 391, 400, 466, 546, 547, 556, 563, 576, 627, 704, 730, 738, 746, 756
- Rural areas 109, 299, 346, 393, 456, 462, 512, 592, 622
- Rye crops 55, 156, 407, 430, 440, 443, 446, 590, 593, 664, 736, 753, 776
- Savannas 521, 523
- Sea 126, 196, 217, 237, 271, 354, 357, 415
- Shelterbelts 19, 54, 64, 74, 75, 98, 118, 124, 143, 154, 198, 223, 228, 272, 279, 281, 304, 318, 334, 359, 365, 370, 381, 397, 405, 408, 446, 447, 461, 587, 590, 593, 620
- Soil impregnated with salts 570

Steppes 158, 244, 531

Strawberry crops 293, 557, 558

Streams 34, 247, 449, 546

Sugar beet crops 314, 319

Tundra 215

Urban areas 28, 39, 79, 82, 85, 137, 197, 244, 252, 301, 428, 456, 477, 501, 507, 563, 623, 727, 761

Wheat crops 642

#### 4.2. GROUPS AND TAXONS

*Abies alba* 59, 174

*Abramis brama* 598, 600, 601, 604, 610

Acarina: terrestrial habitats 11, 40, 57, 95, 211, 296, 328, 439, 468, 471, 472, 477, 496, 512, 570, 581, 589, 592, 622, 660, 674, 724, 725, 751, 774

*Acarus siro* 581

*Accipiter gentilis* 125

*Achillea collina* 758

*Achillea millefolium millefolium* 758

*Achillea pannonica* 758

Acridoidea 383, 412, 438, 484, 651

Actinomycetes 12, 17, 23, 36, 156, 171, 233, 482, 536, 549, 590, 641, 653–655, 658, 664, 747

*Adelphocoris lineolatus* 778

*Aelia acuminata* 69

*Aelia rostrata* 69

*Alces alces* 426, 687

Algae: aquatic habitats 42, 48, 77, 94, 132, 150, 183, 195, 204, 232, 271, 305, 320, 354, 372, 403, 419, 425, 450, 457, 504, 545, 564, 576, 578, 583, 584, 602, 610, 626, 637, 688, 704, 706, 707, 709, 728, 754, 755, 767, 783

Algae living in sponges 576

Algae: terrestrial habitats 664

*Allolobophora caliginosa* 686

*Alopex lagopus* 196

Amphibians 279, 289, 329, 380, 420, 427, 444, 625

*Anagasta (Ephestia) kühniella* 368

*Anguilla anguilla* 163, 317

*Anodonta piscinalis* 679

*Antherea pernyi* 111

Ants 9, 246, 489, 490, 521, 522, 524–538, 661, 735

Aphaniptera 373, 628, 779

*Aphelinus mali* 160

Aphididae 8, 143, 160, 221, 275, 408, 519, 561, 596, 651, 777

*Aphis fabae* 8

*Aphis frangulae* 275

*Aphis nasturtii* 275

*Apodemus agrarius* 151, 175, 212, 238, 335, 338, 432, 434, 569

*Apodemus flavicollis* 175, 212, 238, 335, 337, 339, 432, 569

*Apodemus sylvaticus* 680

Apoidea 140, 423, 477, 501, 507, 671, 672, 761

Aquatic invertebrates living in caves 417

Aquatic invertebrates living on stones 298

Arachnoidea living in ant-nests 246

*Aradus cinnamomeus* 273

*Araneus cornatus* 259

*Araneus quadratus* 259, 383

- Arctia caja* 772  
*Ardea cinerea* 31  
*Arianta arbustorum* 112  
*Asellus aquaticus* 729, 737, 745, 782  
*Asplanchna priodonta* 639  
*Astacus astacus* 253, 376  
*Astacus leptodactylus* 253, 376  
*Asterodiaspis variolosa* 701  
*Auchenorrhyncha* 136, 258, 262, 446, 485, 497, 651  
*Azotobacter* 192
- Bacillus thuringiensis thuringiensis* 379  
 Bacteria: aquatic habitats 33, 548, 578, 767  
 Bacteria: terrestrial habitats 3, 12, 13, 17, 21, 23, 36, 53, 156, 171, 192, 233, 294, 311, 379, 433, 482, 536, 549, 590, 641, 653–655, 658, 664, 718, 722, 723, 747, 759  
*Beauveria bassiana* 475, 516, 517, 551–553, 611–614  
*Bembex rostrata* 66  
 Birds 31, 37, 41, 54, 64, 74, 79, 82, 84, 85, 98, 115, 120, 121, 125, 126, 128, 137, 155, 215, 223, 224, 228, 239, 243, 252, 263, 268, 291, 299, 307, 331, 332, 346, 391, 405, 415, 418, 428, 429, 444, 447, 456, 468, 491, 510, 512, 529, 541, 554, 563, 585, 592, 622, 675, 676  
*Bi thynia tentaculata* 559  
*Bivalvia* 105, 170, 225, 382, 400, 679, 703  
*Bombidae* 423, 477, 501, 507, 671, 672, 761  
*Bosmina coregoni* 119  
 Bottom algae 372, 584  
 Bottom invertebrates 42, 60, 81, 97, 100, 105, 108, 110, 134, 162, 170, 176, 180, 193, 203, 225, 229, 282, 298, 324, 372, 374, 382, 386, 395, 396, 400, 442, 505, 547, 556, 559, 564, 565, 574, 578, 605–607, 610, 678, 679, 682, 685, 690, 702, 703, 727, 741–745, 767, 768, 782  
*Broscus cephalotes* 506, 595, 611  
*Bufo bufo* 279, 329, 420  
*Buteo buteo* 41
- Calandra granaria* 543  
*Caloglyphus* sp. 296  
*Cantharis* sp. 152  
*Capitophorus ribis* 8  
*Carabidae* 91, 145, 153, 255, 267, 312, 440, 461, 474, 476, 502, 506, 516, 595, 611, 635, 695–697, 699, 720  
*Carabus arcensis* 255, 474, 695–697  
*Carabus glabratus* 695–697  
*Carabus granulatus* 476  
*Carabus nemoralis* 474, 695–697  
*Carassius carassius* 454  
*Carex Hudsonii* 769  
*Carpinus betulus* 785  
*Carpoglyphus lactis* 95, 211  
*Cerasus fruticosa* 390  
*Cervus elaphus* 309, 411, 465  
*Ceuthorrhynchus assimilis* 242, 251  
*Chaoborus alpinus* 352, 355  
*Chaoborus crystallinus* 355  
*Chaoborus pallidus* 199  
*Chironomidae* 42, 81, 97, 108, 134, 162, 176, 193, 203, 229, 386, 395, 396, 505, 605, 678, 684, 685, 690, 702, 768  
*Chironomus plumosus* 176  
*Chorthippus dorsatus* 412

- Chorthippus montanus* 412, 484  
*Chrysopa carnea* 408, 500  
*Cicadella viridis* 262  
Cladocera 25, 42, 70, 78, 104, 119, 169, 201, 202, 306, 425, 460, 503, 578, 582, 603, 604, 637, 638, 754, 755, 767, 781  
*Clethrionomys glareolus* 175, 212, 238, 333–338, 353, 432, 569, 588, 628, 680, 698  
*Clostridium* 192  
Coccinellidae 143, 499, 596  
*Colchicum autumnale* 20  
Coleoptera: terrestrial habitats 44, 47, 50, 91, 129, 135, 143, 145, 152, 153, 173, 188, 190, 213, 242, 251, 255, 265, 267, 285, 286, 288, 312, 323, 350, 351, 361–363, 378, 397–399, 413, 420, 437, 440, 458, 461, 471, 474, 476, 493, 499, 502, 506, 509, 516, 543, 551–553, 572, 580, 587, 595, 596, 611, 612, 615–617, 635, 657, 673, 695–697, 699, 720, 749  
Collembola 15, 101, 165, 677, 771  
Copepoda 25, 42, 70, 78, 104, 201, 202, 217, 306, 425, 460, 494, 503, 578, 603, 604, 637, 754, 755, 767, 781  
*Copris lunaris* 572  
Coprophages: terrestrial habitats 572, 656, 657, 705  
*Coregonus albula* 141  
*Corvus corax* 79, 155  
*Corvus corone cornix* 563  
*Corvus frugilegus* 98, 252, 563  
*Corvus monedula* 563  
*Ctenopharyngodon idella* 315  
Cucurbitaceae 46  
*Cyprinus carpio* 219, 232, 234, 264, 306, 315, 454, 598, 600, 601, 604, 610, 708
- Dahlbominus fuscipennis* 308, 544  
*Daphnia cucullata* 119, 460  
*Daphnia hyalina* 119  
Decapoda 253, 376  
*Dendrocopos major* 529  
*Dendrolimus pini* 732–734  
Diplopoda 404  
Diptera: aquatic habitats 42, 81, 97, 108, 134, 162, 176, 193, 199, 203, 229, 254, 352, 355, 386, 395, 396, 505, 605, 678, 684, 685, 690, 702, 768  
Diptera: terrestrial habitats 30, 76, 90, 109, 133, 147, 227, 254, 266, 292, 367, 385, 388, 459, 487, 619, 656, 705, 773  
*Dolomedes fimbriatus* 385, 421, 459, 464  
*Dreissena polymorpha* 170, 225, 703  
*Drosophila fasciata* 266  
*Dryobates maior* 128
- Empoasca pteridis* 497  
Enchytraeidae 776  
Entomopathogenic fungi 311, 413, 458, 475, 516, 517, 551–553, 611–617  
Ephemeroptera 247  
*Erdoesina alboannulata* 308  
*Eriosoma lanigerum* 160  
*Esox lucius* 599  
*Eudiaptomus graciloides* 460  
*Eudiaptomus zachariasii* 494  
Eugregarinaria 404  
*Euproctis chrysorrhoea* 179, 631  
*Eupteryx atropunctata* 497  
*Euxoa exclamationis* 205

- Fagus silvatica* 59, 71, 174, 561  
*Ficedula albicollis* 585  
 Fish 80, 141, 163, 207, 214, 219, 230, 232, 234, 237, 264, 302, 306, 315, 317, 449, 454, 478, 546, 598–601, 604, 610, 627, 708, 730, 738, 746, 755, 756, 781  
*Formica (Coptoformica) execta* 532  
*Formica polycтена* 246, 530, 533  
*Formica rufa* 529  
*Fraxinus excelsior* 28  
 Fungi: terrestrial habitats 12, 17, 19–21, 23, 28, 36, 46, 51, 52, 71, 156, 171, 191, 197, 233, 248, 294, 301, 311, 349, 356, 389, 393, 413, 433, 458, 462, 475, 482, 516, 517, 536, 549, 551–553, 590, 611–617, 623, 641, 653–655, 658, 664, 716, 718, 719, 747  
*Galleria melonella* 613, 614  
 Game animals 309, 409, 411, 426, 429, 465, 510, 562, 571, 687, 721  
 Gastropoda: aquatic habitats 5, 100, 105, 110, 382, 556, 559  
 Gastropoda: terrestrial habitats 112  
*Gloeotrichia echinulata* 504  
*Glossiphonia heteroclita* f. *hyalina* 208  
*Gobius microps* 237  
  
*Harpalus pubescens* 502, 506, 516, 595, 611  
*Heterodera rostochiensis* 327  
*Heterodera schachtii* 138, 402  
 Heteroptera: terrestrial habitats 49, 55, 69, 72, 92, 118, 172, 218, 250, 256, 272, 273, 314, 430, 475, 778  
 Hirudinea 14, 208, 384, 466, 547  
 Homoptera 8, 136, 143, 160, 221, 258, 262, 275, 408, 435, 446, 485, 497, 519, 561, 596, 651, 701, 777  
 Hydracarina 4, 87, 106, 127, 166, 182, 210, 226, 324, 454  
 Hymenoptera 9, 66, 140, 160, 173, 184, 206, 221, 246, 308, 369, 423, 430, 477, 489, 490, 501, 507, 521–538, 544, 633, 661, 671, 672, 735, 761, 778  
*Hypericum maculatum* 131  
*Hypophthalmichthys molitrix* 315, 755  
  
 Insects living in tree trunks 67  
 Invertebrate decomposers: terrestrial habitats 135, 366, 404, 483, 539, 572, 588, 624, 656–658, 669, 686, 700, 705, 710, 773  
 Invertebrates associated with macrophytes 42, 94, 114, 132, 183, 204, 457, 564, 578, 608–610, 682–684, 741, 744  
*Ipideurytoma spessivtsevi* 173  
*Ips typographus* 378  
 Isopoda: aquatic habitats 729, 737, 745, 782  
 Isopoda: terrestrial habitats 366, 539, 624  
*Ixodes ricinus* 11, 328  
  
*Keratella cochlearis* 460  
  
*Lagopus mutus hyperboreus* 215  
 Lamellicornia 135  
*Lanius collurio* 228, 491  
 Large herbivore mammals 309, 409, 411, 426, 465, 687, 721  
 Larinae 126, 332, 415  
*Larus ridibundus* 332  
*Lasius alienus* 527  
*Lasius flavus* 535  
*Lasius niger* 535, 661  
*Laspeyresia funebrana* 184

- Laspeyresia pomonella* 750, 763, 764  
*Leiophron pallipes* 430  
 Lemnaceae 609  
*Lepidocyrtus lanuginosus* 771  
 Lepidoptera: terrestrial habitats 10, 111, 179, 184, 205, 216, 325, 368, 369, 613, 614, 631, 732–734, 750, 763, 764, 772  
*Leptinotarsa decemlineata* 44, 47, 50, 323, 350, 351, 362, 363, 397, 399, 413, 420, 437, 458, 516, 551–553, 587, 595, 612, 615–617  
*Leptodora kindtii* 638  
*Lepus europaeus* 562, 571  
*Leuciscus cephalus* 302  
*Ligidium hypnorum* 366, 539, 624  
 Littoral invertebrates 4, 14, 27, 42, 70, 87, 94, 104, 106, 114, 127, 132, 166, 183, 201, 202, 204, 225, 226, 253, 298, 324, 382, 442, 454, 457, 466, 547, 556, 559, 564, 565, 574, 582, 605–610, 679, 682–684, 703, 727, 741, 742, 744, 745, 768, 782  
 Lumbricidae 658, 686  
*Lygus rugulipennis* 430, 475, 778  
*Lymantria dispar* 179  
  
 Macromycetes 716, 719  
 Macrophytes 42, 68, 117, 236, 287, 290, 416, 457, 564, 609, 618, 682–684, 688, 689, 727, 741, 769, 770  
*Malacosoma neustria* 631  
*Medicago media* 375  
*Microtus arvalis* 62, 341, 342, 406, 680, 681, 779  
*Mimas tiliae* 10  
 Mining invertebrates 683, 684, 741  
 Mites living in bird nests 512, 592, 622  
*Molanna angustata* 27  
*Molinia coerulea* 231  
 Mosquitoes 30, 90, 109, 227, 254, 292, 367, 385, 388, 459, 619  
 Mosses 693  
*Mus musculus* 73, 96, 113, 146, 164, 168, 185, 189, 190, 209, 244, 295, 340, 343  
*Myocastor coypus* 56, 65, 139  
*Myrmica laevinodis* 489, 522  
*Myrmica lobicornis ussuriensis* 528  
*Myrmica rubra* 525, 528  
*Myrmica sabuleti* 525  
*Myrmica scabrinodis* 528  
*Myzus persicae* 519, 777  
  
 Necrophages: terrestrial habitats 588  
 Nematoda: aquatic habitats 94, 132, 183, 204, 442, 574, 741–743  
 Nematoda: terrestrial habitats 138, 161, 249, 293, 300, 313, 316, 319, 326, 327, 389, 394, 401, 402, 453, 467, 511, 513–515, 557, 558, 659, 711, 712, 736, 762  
 Neuroptera: terrestrial habitats 408, 500  
  
 Oligochaeta: terrestrial habitats 658, 686, 776  
*Oncyhiurus armatus* 771  
 Orthoptera 267, 383, 412, 438, 484, 651  
*Oryzaephilus surinamensis* 285, 493, 543, 673  
  
*Paecilomyces farinosus* 413, 458, 516, 517, 551–553, 611–617  
*Paecilomyces fumoso-roseus* 611, 614–617  
*Panagrolaimus rigidus* 513–515, 711, 712, 762  
*Panonychus ulmi* 496  
*Paramecium aurelia* 123

- Paramecium caudatum* 122, 123, 187, 190  
 Parasitic fungi 191, 311, 356, 389, 413, 458, 475, 516, 517, 551–553, 611–617  
*Pardosa chelata* 436  
*Pardosa pullata* 436, 748  
*Parus caeruleus* 239  
*Parus major* 239  
*Passer d. bactrianus* 675  
*Passer d. domesticus* 418, 456, 675  
*Passer m. montanus* 268, 299, 346, 418, 456, 512, 592, 622  
*Pelobates fuscus* 279, 420  
*Perca fluviatilis* 141, 478  
*Perdix perdix* 429, 510  
*Perilla ocymoides* 241, 310  
*Perillus bioculatus* 250  
*Peristenus digoneutis* 633, 778  
*Peristenus rubricollis* 633, 778  
*Perniphora robusta* 173  
*Phalera bucephala* 10  
*Phragmites communis* 689, 769, 770  
*Phyllaphis fagi* 561  
*Phytophthora infestans* 191  
*Picea excelsa* 174  
*Picus viridis* 529  
*Pieris brassicae* 325, 369  
*Pimpla instigator* 369  
*Pinus radiata* 321, 387, 495  
*Pinus silvestris* 29, 58, 67, 200, 276, 278, 283, 303, 330, 360, 431, 549, 567, 568, 577, 591, 667, 670, 713, 714, 719, 747  
*Pisum* sp. 389  
*Planorbis corneus* 5  
 Plecoptera 247  
 Podicipedidae 243  
*Polydesmus complanatus* 404  
*Populus euramericana marilandica* 19, 51  
 Protozoans: aquatic habitats 122, 123, 187, 190, 354, 357, 578  
 Protozoans: terrestrial habitats 404  
*Pseudotsuga taxifolia* 301  
*Psylla mali* 435  
*Pteromalus puparum* 369  
*Pterostichus cupreus* 502, 506, 516,  
*Pterostichus niger* 255  
*Pterostichus oblongopunctatus* 476  
*Pterostichus vulgaris* 476, 611  
  
*Quercus pedunculata* 785  
*Quercus robur* 58, 220, 667  
  
*Rana arvalis* 279, 289, 329, 380, 420, 427, 625  
 Reptiles 444, 632  
*Rhizopertha dominica* 493, 543, 673  
*Rhyacia c-nigrum* 205  
 Rotatoria 42, 117, 219, 235, 264, 425, 460, 578, 603, 637, 639, 755, 767  
*Rutilus rutilus* 730, 738, 746, 756  
  
*Salmo trutta* m. *fario* 449  
 Saprophages: terrestrial habitats 135, 366, 404, 483, 539, 624, 658, 669, 686, 700, 710, 773  
 Scarabaeidae 657



- Schoetella inermis* 771  
*Secale cereale* 407, 443, 593  
*Sida crystallina* 582  
*Sifolinia laurae* 525  
*Sitophilus granarius* 673  
*Sitophilus oryzae* 509  
 Small mammals 62, 73, 86, 96, 113, 146, 151, 164, 168, 175, 185, 189, 190, 194, 209, 212, 238, 244, 284, 295, 297, 333–343, 353, 373, 377, 406, 432, 434, 444, 468, 473, 554, 566, 569, 588, 628, 680, 681, 698, 779  
 Social insects 9, 140, 246, 423, 477, 489, 490, 501, 507, 521–538, 661, 671, 672, 735, 761  
 Soil invertebrates 9, 15, 18, 91, 101, 116, 138, 145, 153, 165, 178, 246, 249, 255, 261, 289, 293, 300, 312, 313, 316, 319, 326, 327, 359, 365, 366, 381, 389, 394, 401, 402, 404, 440, 453, 461, 467, 474, 476, 483, 487, 489, 490, 511, 513–515, 521–539, 557, 558, 570, 572, 588, 624, 625, 635, 656–661, 664, 669, 677, 686, 695–697, 699, 700, 705, 710–712, 720, 735, 736, 762, 774–776  
 Soil microflora 3, 12, 13, 17, 19–21, 23, 28, 36, 46, 51–53, 71, 156, 171, 192, 197, 233, 248, 294, 301, 349, 393, 433, 462, 482, 536, 549, 590, 613, 623, 641, 653–655, 658, 664, 700, 710, 718, 722, 723, 747, 759  
*Solanum tuberosum* 181, 191, 392, 410, 414, 422, 519, 550, 620, 777  
*Sorex araneus* 297  
*Spergula vernalis* 643–646  
 Sphegidae 66, 140  
 Spiders 18, 38, 43, 93, 107, 116, 131, 142, 167, 259, 261, 267, 274, 367, 383, 385, 388, 421, 436, 459, 464, 488, 490, 619, 662, 748  
 Sponges 576  
*Spongilla lacustris* 576  
*Sturnus vulgaris* 405  
*Sylvia nisoria* 228  
*Symphytum officinale* 455  
  
 Tabanidae 76, 147  
 Termites 523, 538  
*Tetragnatha montana* 385, 388, 421, 459, 464  
*Tetramorium caespitum* 526  
*Tetranychus urticae* 589, 674, 724, 725, 751  
 Thysanoptera 26  
*Tinca tinca* 454  
*Tinodes waeneri* 45  
 Tortricidae 216  
*Tribolium castaneum* 129, 188, 190, 213, 265, 286, 288, 361, 398, 509, 580, 749  
*Tribolium confusum* 129, 188, 190, 265, 286, 288, 361, 580  
*Trichogramma* sp. 184, 206  
 Trichoptera 27, 45  
*Triticum* sp. 642  
*Trochosa terricola* 116, 748  
*Trypodendron lineatum* 173  
*Turdus merula* 85, 137, 428  
*Turdus philomelos* 428  
*Typha latifolia* 770  
*Tyroglyphus farinae* 57  
  
*Unio tumidus* 400, 679  
  
*Veratrum album* var. *lobelianum* 20  
 Vespidae 140  
*Vipera berus* 632

*Viviparus fasciatus* 100, 110, 556

*Viviparus viviparus* 556

Weeds 217, 257, 348, 392, 407, 540, 593, 620, 640, 642, 757

#### 4.3. ECOLOGICAL UNITS AND PROBLEMS

Air temperature 102, 157, 241

Animal evolution 99

Bacterioplankton 33, 548, 578, 767

Behaviour: aquatic invertebrates 45, 352, 582

Behaviour: terrestrial invertebrates 66, 496, 763, 764

Behaviour: vertebrates 96, 113, 125, 137, 168, 207, 252, 415, 675, 698

Bioaccumulation of radionuclides 217

Bioenergetical elements, energy budgets: aquatic invertebrates 358, 376, 425, 460, 503, 559, 603, 604, 610, 638, 639, 678, 679, 683, 685, 690, 702, 703, 729, 737, 745, 754, 781, 782

Bioenergetical elements, energy budgets: terrestrial invertebrates 112, 179, 323, 325, 362, 363, 369, 388, 412, 438, 484, 485, 487–490, 492, 497, 502, 506, 511, 522, 525–528, 537, 538, 572, 581, 587, 624, 625, 631, 651, 656, 659, 661, 663, 669, 686, 697, 699, 700, 705, 720, 749, 771–773, 775, 776, 785

Bioenergetical elements, energy budgets: vertebrates 329, 341–343, 346, 380, 406, 427, 429, 449, 456, 491, 566, 598–600, 610, 632, 651, 656, 663, 675, 681, 708, 746, 755, 756, 781

Bioindicators of air pollution 714

Bioindicators of lake trophy 25, 120, 169, 180, 287, 391, 403, 425, 466, 743

Bioindicators of water purity 150, 627

Bird morphology 263, 291, 418

Bird phenology 82, 307, 585

Bottom sediments: physico-chemical characteristics 42, 60, 280, 287, 424, 564, 607, 689, 727, 767

Browse biomass 409

Calorific values: aquatic invertebrates 745, 782

Calorific values: bottom sediments 424, 564

Calorific values: phytoplankton 704

Calorific values: terrestrial invertebrates 369, 497, 526, 572, 705, 749

Calorific values: terrestrial plants 392, 407, 498, 508, 642, 643, 700

Calorific values: vertebrates 329, 429, 632, 746

Cannibalism 361, 530, 580, 749

Chemical composition: algae 688

Chemical composition: macrophytes 236, 416, 618, 689

Chemical composition: peats and peat-forming plants 270

Chemical composition: sheep dung 705

Chemical composition: soil microflora 723

Chemical composition: terrestrial invertebrates 526, 772, 774

Chemical composition: terrestrial plants 67, 148, 360, 479, 561, 665, 670, 692, 694, 700, 710, 714, 731, 747, 772

Chemical composition: vertebrates 329, 429, 675, 738, 746

Chemosynthesis (nitrification) 12, 17, 590, 653–655, 718

CMR capture method 91, 145, 146, 151, 175, 185, 194, 212, 230, 238, 239, 253, 255, 262, 295, 333–336, 338, 346, 373, 432, 434, 474, 476, 521, 527, 541, 566, 569, 695, 698, 699, 779

Cooling power 555

Daily rhythm of feeding: terrestrial invertebrates 421

Daily rhythm of feeding: vertebrates 563, 675

Daily rhythm of mobility: aquatic invertebrates 110, 226

Daily rhythm of mobility: terrestrial invertebrates 76, 90, 254, 261, 289, 292, 328, 388, 421, 436, 464, 531, 533, 625, 671

Daily rhythm of mobility: vertebrates 84, 126, 224, 332, 675, 698

- Decomposition: aquatic habitats 403, 504, 564, 602, 626, 706, 707, 726, 767  
Decomposition: terrestrial habitats 12, 13, 17, 21, 53, 171, 233, 294, 347, 433, 482, 492, 575, 588, 590,  
630, 641, 653–658, 663, 669, 686, 700, 705, 710, 718, 719, 722, 723, 731, 747, 759, 773  
Density and carrying capacity 187–190  
Dew 149, 371, 739  
Diaspore and fruit production 364, 508, 643
- Ecological classifications: birds 224, 391  
Ecological classifications: littoral 202, 287  
Ecological niche 76  
Ecotones 12, 13, 35, 37, 44, 62, 69, 75, 90, 103, 104, 106, 109, 118, 124, 130, 143, 154, 198, 256, 260,  
268, 275, 281, 304, 318, 346, 359, 365, 367, 370, 381, 397, 408, 446, 461, 564, 587, 590, 593, 619,  
620, 676, 689, 727  
Ecotype differentiation: *Pinus silvestris* 276, 278, 303, 360, 567, 568, 591, 670  
Effect of ants on habitat 535, 536  
Effect of chemosterilants 589  
Effect of earthworms on soil 658  
Effect of fertilization on crop-field ecosystem 640, 641  
Effect of fertilization on forest ecosystem 713–719  
Effect of fertilization on lake ecosystem 706, 767  
Effect of fertilization on meadow ecosystem 192, 233, 773, 774  
Effect of fertilization on pond ecosystem 783  
Effect of fish stock on lake ecosystem 597–610  
Effect of fish stock on pond ecosystem 219, 232, 234, 264, 306  
Effect of food 10, 285, 399, 500, 503, 509, 513, 539, 561, 581, 633, 772  
Effect of gamma radiation 455, 534  
Effect of gravity 496  
Effect of humidity (moisture) 272, 285, 328, 398, 399, 433, 436, 496, 509, 561, 575, 590, 677, 686, 711,  
732, 753, 758, 762  
Effect of light 59, 76, 179, 205, 290, 303, 368, 390, 399, 410, 436, 496, 583, 750, 764  
Effect of oxygen 315, 352  
Effect of pesticides 311, 398, 439, 448, 472, 486, 509, 578, 587, 595, 664  
Effect of pH 5, 231, 376  
Effect of photoperiodism: terrestrial insects 205, 500  
Effect of photoperiodism: terrestrial plants 59  
Effect of pollution: aquatic habitats 150, 214, 217, 354, 578, 627, 636, 730, 738, 746, 756  
Effect of pollution: terrestrial habitats 148, 217, 431, 534, 577, 664, 713–719  
Effect of salinity 14, 237, 357, 382  
Effect of sheep grazing 649–651, 662, 663, 686  
Effect of sheep on pasture ecosystem 647–663, 686, 705  
Effect of starvation 355, 502  
Effect of temperature: aquatic habitats 247, 315, 357, 376, 503, 708, 737  
Effect of temperature: terrestrial habitats 59, 76, 88, 91, 111, 112, 205, 206, 242, 252, 273, 285, 297, 328,  
341, 346, 362, 380, 398, 399, 433, 436, 500, 509, 533, 561, 568, 571, 575, 588, 590, 596, 612, 631,  
681, 711, 712, 732, 750, 762  
Environmental indicators of lake trophy 61, 424, 560  
Eulittoral: structure and functioning 564  
Evaporation 124, 186  
Evapotranspiration 181
- Feeding habits, food consumption: aquatic invertebrates 355, 358, 395, 425, 494, 503, 638, 639, 679, 683,  
684, 690, 729, 754, 782  
Feeding habits, food consumption: terrestrial invertebrates 10, 47, 135, 152, 218, 251, 259, 267, 285, 323,  
325, 361, 363, 369, 388, 412, 438, 484, 488–490, 506, 522, 524, 528, 537, 538, 580, 581, 587,  
596, 624, 633, 651, 659, 661, 700, 705, 734, 749, 772, 773, 777, 785  
Feeding habits, food consumption: vertebrates 41, 65, 125, 137, 141, 146, 163, 215, 224, 228, 234, 279,

- 289, 309, 317, 346, 391, 405, 415, 420, 427, 428, 454, 465, 468, 491, 529, 563, 566, 599, 600, 604, 610, 625, 632, 651, 656, 663, 675, 681, 708, 721, 755, 756, 781
- Field experiments: aquatic habitats 78, 81, 97, 176, 183, 193, 203, 204, 219, 229, 232, 234, 264, 290, 306, 358, 425, 463, 504, 545, 564, 578, 597–610, 626, 679, 683, 688, 690, 708, 726, 755, 767, 768, 783
- Field experiments: terrestrial habitats 47, 50, 125, 131, 136, 160, 184, 206, 233, 250, 262, 266, 299, 333, 346, 383, 385, 421, 438, 439, 456, 458, 459, 464, 472, 474, 476, 484, 486, 512, 530, 534, 541, 544, 552, 567, 585, 587, 591, 595, 596, 611, 635, 640, 641, 649, 651–656, 658–664, 670, 681, 686, 698, 701, 705, 713–719, 721, 773, 774
- Fish-benthos relations 97, 605, 606, 610, 768
- Fish morphology 141, 163, 237
- Fish parasites 141, 478, 601
- Fish-zooplankton relations 219, 264, 306, 603, 604, 610, 755, 781
- Food assimilation: aquatic invertebrates 679, 729, 749, 782
- Food assimilation: terrestrial invertebrates 325, 369, 412, 484, 497, 572, 624, 659, 705, 772
- Food assimilation: vertebrates 427, 632, 675, 681
- Forest ecosystem: structure and functioning 747
- Fusarium*-wilt 389
- Ground frosts 370
- Group effect in insect populations 734
- Herb layer: structure and functioning 766
- Insect hibernation 250, 273, 399
- Insect morphology 147, 734
- Insect phenology 82, 435
- Interspecies competition: aquatic invertebrates 123, 376, 781
- Interspecies competition: macrophytes 689, 769, 770
- Interspecies competition: terrestrial invertebrates 9, 178, 261, 274, 471, 472, 490, 493, 514, 531, 543, 673, 677
- Interspecies competition: terrestrial plants 643, 644
- Interspecies competition: vertebrates 224, 299, 307, 331, 428, 541, 563, 600
- Introduction and acclimatization: terrestrial invertebrates 250, 266, 544
- Introduction and acclimatization: terrestrial plants 567, 591, 670
- Introduction and acclimatization: vertebrates 333, 598–601, 604, 610, 708
- Invertebrate communities (groupings): aquatic habitats 4, 14, 25, 42, 70, 78, 81, 87, 94, 97, 105, 106, 108, 114, 117, 132, 134, 162, 166, 169, 176, 180, 182, 183, 193, 201–204, 210, 219, 226, 229, 235, 247, 254, 264, 298, 306, 324, 354, 357, 358, 372, 374, 382, 386, 396, 425, 442, 457, 503, 505, 547, 564, 565, 574, 578, 603, 605–610, 678, 679, 682–685, 690, 702, 727, 741–745, 754, 755, 767, 768, 781
- Invertebrate communities (groupings): terrestrial habitats 9, 15, 18, 26, 30, 38, 43, 55, 67, 72, 90–93, 107, 109, 118, 131, 133, 135, 136, 140, 142, 143, 152, 153, 165, 167, 172, 178, 216, 227, 246, 249, 254, 256, 258, 261, 272, 274, 289, 292, 293, 300, 313, 314, 316, 319, 322, 326, 359, 365, 367, 381, 389, 394, 401, 423, 438, 440, 444, 446, 453, 461, 467, 472, 483–485, 487, 488, 490, 499, 501, 507, 511, 512, 534, 557, 558, 570, 588, 592, 596, 619, 622, 625, 628, 635, 651, 656–662, 669, 671, 672, 677, 686, 699, 705, 720, 735, 736, 761, 773, 775, 776, 785
- Invertebrate populations: aquatic habitats 100, 110, 119, 122, 123, 127, 170, 187, 190, 225, 253, 352, 355, 400, 460, 494, 503, 556, 559, 638, 679, 703, 745, 754, 781, 782
- Invertebrate populations: terrestrial habitats 8, 11, 44, 47, 50, 69, 76, 95, 101, 116, 129, 138, 145, 147, 160, 188, 190, 206, 211, 213, 242, 250, 251, 255, 262, 266, 273, 275, 285, 286, 288, 293, 312, 327, 350, 351, 361, 363, 366, 369, 378, 397–399, 402, 404, 421, 430, 436, 474, 476, 488, 489, 493, 509, 513–515, 519, 522, 523, 525–528, 532, 533, 535, 536, 538, 539, 543, 558, 561, 580, 587, 624, 674, 686, 695–697, 699, 701, 711, 712, 724, 725, 732–734, 748–751, 762, 777, 778
- Laboratory experiments: aquatic investigations 5, 45, 110, 117, 122, 123, 163, 187, 190, 204, 208, 315, 352, 355, 376, 424, 425, 503, 638, 639, 726, 729, 737, 754, 782
- Laboratory experiments: terrestrial investigations 10, 40, 47, 57, 59, 73, 95, 96, 111–113, 129, 135, 161, 164, 168, 173, 179, 188–191, 205, 206, 209, 211, 213, 231, 242, 251, 265, 267, 285, 286, 288, 294,

- 296, 301, 303, 308, 310, 311, 323, 325, 326, 328, 340–343, 361, 362, 368, 369, 379, 380, 389, 398, 399, 402, 404, 406, 412, 413, 427, 433, 436, 441, 468, 471, 475, 484, 488, 491, 493, 496, 497, 500, 502, 506, 509, 513–517, 519, 528, 533, 551–553, 568, 580, 581, 589, 595, 596, 611–617, 624, 631–633, 643, 673–675, 681, 705, 711, 712, 722–724, 734, 749–751, 762–764, 771, 772, 777, 778, 786, 787
- Lake ecosystem: structure and functioning 610, 767
- Lake eutrophication 287, 626, 636, 691, 706, 754, 767
- Lake overgrowing 689
- Land-water interactions 148, 564, 636, 689, 726, 727
- Life cycles: aquatic invertebrates 254, 494, 503
- Life cycles: terrestrial invertebrates 8, 10, 57, 69, 95, 135, 160, 205, 206, 242, 250, 251, 254, 273, 296, 328, 350, 368, 435, 437, 499, 500, 633, 712, 749, 750, 778
- Life cycles: vertebrates 137, 585
- Life table method 674, 751
- Light-and-dark bottle technique 271, 403, 419, 504, 545, 564, 602, 626, 688, 704, 706, 767
- Litter fall 345, 451, 469, 498, 542, 564, 624, 666, 668, 669, 694, 710, 726, 731, 747, 785
- Macroclimate 518, 520
- Macrophytes: roots and rhizomes 741
- Meadow ecosystem: structure and functioning 492
- Methods and techniques: aquatic investigations 32, 34, 80, 162, 195, 196, 235, 253, 282, 302, 320, 358, 374, 396, 417, 419, 460, 586, 760
- Methods and techniques: terrestrial investigations 3, 40, 151, 262, 265, 309, 321, 322, 334–340, 344, 347, 387, 406, 434, 469, 470, 473, 495, 521–524, 527, 569, 586, 594, 630, 674, 694, 700, 710, 736, 751, 759, 760, 763
- Microclimate 89, 102, 124, 130, 144, 149, 154, 157, 181, 186, 198, 241, 245, 281, 304, 370, 371, 441, 443, 555, 634, 645, 646, 739, 747
- Migrations: aquatic invertebrates 253
- Migrations: terrestrial invertebrates 44, 50, 76, 90, 109, 145, 206, 213, 250, 254–256, 265, 273, 286, 288, 292, 366, 404, 474, 519, 701
- Migrations: vertebrates 62, 137, 146, 185, 194, 230, 238, 239, 295, 541, 779
- Mobility: aquatic invertebrates 110, 226
- Mobility: terrestrial invertebrates 9, 76, 90, 91, 109, 178, 227, 254, 256, 261, 289, 292, 328, 367, 385, 388, 421, 436, 459, 464, 474, 476, 496, 531, 533, 619, 625, 635, 661, 662, 671, 695, 699, 720, 735
- Mobility: vertebrates 84, 126, 224, 332, 675, 687, 698
- Mycorrhiza 19, 20, 28, 46, 51, 52, 71, 301
- Occasional notes 0, 740, 765, 780
- Outbreaks of phytophagous insects 732–734, 785
- Paleolimnology 689
- Parasite-host relations: aquatic habitats 208, 478, 556, 601
- Parasite-host relations: terrestrial habitats 160, 173, 184, 191, 206, 221, 308, 311, 369, 373, 378, 389, 404, 413, 430, 458, 475, 477, 516, 544, 551–553, 611, 613, 614, 616, 617, 628, 778, 779
- Pasture ecosystem: structure and functioning 663, 705
- Periphyton 94, 132, 150, 183, 204, 354, 457, 545, 564, 578, 688
- Photosynthesis: aquatic habitats 271, 403, 419, 450, 504, 545, 564, 578, 602, 626, 688, 704, 706, 707, 767
- Photosynthesis: terrestrial habitats 410, 550
- Phytophagous invertebrate-plant relations: terrestrial habitats 10, 26, 39, 49, 55, 67, 72, 92, 133, 135, 136, 138, 140, 160, 161, 173, 184, 216, 242, 249, 251, 256, 258, 262, 272, 275, 293, 300, 313, 314, 316, 319, 326, 350, 351, 363, 369, 378, 383, 389, 397, 402, 423, 430, 435, 437, 438, 446, 467, 484–486, 501, 507, 519, 558, 561, 587, 651, 671, 672, 674, 701, 724, 725, 732–734, 761, 773, 777, 778, 785
- Phytoplankton 42, 48, 77, 150, 195, 232, 271, 305, 320, 403, 419, 425, 450, 504, 545, 564, 578, 583, 602, 610, 626, 637, 688, 704, 706, 707, 709, 728, 754, 755, 767, 783
- Plant associations (communities): aquatic habitats 117, 689
- Plant associations (communities): terrestrial habitats 1, 2, 6, 16, 22, 24, 63, 103, 159, 177, 222, 240, 257,

- 260, 269, 277, 283, 330, 344, 345, 347, 348, 364, 390, 444, 451, 452, 469, 470, 480, 498, 508, 542, 573, 579, 619, 621, 629, 630, 635, 640, 647, 649, 650, 665, 666, 668, 669, 689, 692, 694, 715, 716, 731, 747, 757, 766
- Plant growth 200, 310, 360, 567, 568, 591, 643, 665, 693, 766, 770
- Plant morphology 220, 276, 278, 644, 670, 714, 719, 758
- Plant phenology 16, 82, 364, 435, 437, 621, 645, 747, 758
- Plant populations: terrestrial habitats 29, 58, 200, 276, 278, 318, 321, 330, 360, 375, 387, 392, 407, 422, 431, 455, 479, 495, 550, 567, 568, 577, 591, 593, 620, 642–646, 667, 670, 693, 713, 714, 719, 747, 784
- Plants: osmotic values 1, 6
- Pollen loads of bees 423, 507, 672, 761
- Predator-prey relations: aquatic habitats 56, 234, 494, 599, 603, 604, 605, 608, 610, 638, 639, 690, 755, 781
- Predator-prey relations: terrestrial habitats 8, 47, 125, 133, 142, 143, 259, 275, 289, 351, 367, 378, 383, 385, 388, 405, 408, 420, 439, 459, 464, 472, 474, 476, 485, 487–490, 519, 522, 524, 529, 530, 537, 596, 625, 632
- Primary production: aquatic habitats 236, 271, 403, 416, 419, 450, 504, 545, 564, 578, 602, 610, 618, 626, 688, 689, 704, 706, 707, 767
- Primary production: terrestrial habitats 2, 19, 29, 58, 75, 148, 174, 200, 231, 233, 318, 330, 344, 345, 347, 364, 375, 387, 392, 407, 410, 422, 431, 438, 451, 452, 469, 470, 479, 480, 492, 498, 508, 542, 550, 573, 593, 594, 620, 629, 630, 642, 643, 649, 653, 663, 666, 667, 692–694, 713, 719, 747, 766, 785
- Radioecology 217, 250, 450, 455, 463, 527, 534
- Rainfall 144, 198
- Respiration: aquatic invertebrates 376, 737, 782
- Respiration: terrestrial invertebrates 112, 179, 362, 369, 412, 484, 497, 502, 511, 572, 581, 624, 631, 659, 669, 686, 705, 720, 749, 771, 772, 776
- Respiration: vertebrates 341, 342, 380, 406, 427, 491
- Secondary production: aquatic invertebrates 460, 503, 559, 603, 604, 610, 638, 678, 679, 685, 702, 703, 754, 781, 782
- Secondary production: terrestrial invertebrates 323, 325, 369, 412, 484, 485, 487, 488, 490, 492, 497, 522, 525–528, 537, 538, 572, 624, 625, 656, 659, 661, 663, 686, 697, 699, 705, 720, 749, 773, 775
- Secondary production: vertebrates 343, 346, 427, 449, 456, 598, 599, 632, 681, 756
- Seedlings 59, 303, 360, 567, 568, 591, 670, 784
- Small mammal morphology 244, 297, 353, 377
- Soil: enzyme activity 549, 641, 718
- Soil-geological conditions 648, 665
- Soil: heat accumulation 752, 753
- Soil: physico-chemical characteristics 16, 35, 36, 75, 88, 103, 130, 148, 158, 159, 171, 181, 200, 217, 222, 240, 245, 257, 260, 277, 281, 283, 310, 390, 401, 402, 414, 422, 455, 481, 495, 535, 536, 542, 549, 575, 578, 579, 619, 629, 630, 635, 640, 641, 643, 646–648, 650, 652, 653, 655, 658, 664, 665, 689, 692, 713, 717–719, 731, 747, 752, 753, 757, 758, 786, 787
- Soil-plant relations 231, 310, 390, 422, 758
- Soil: pollen analysis 269
- Soil: sorption properties 786, 787
- Soil-vegetation relations 1, 2, 16, 29, 103, 159, 200, 222, 240, 257, 260, 277, 283, 321, 348, 495, 540, 549, 579, 643–647, 665, 692, 694, 713–716, 719, 747, 752, 753, 757, 766
- Solar radiation 181, 410, 441, 443, 753
- Species concept 147, 244, 353, 377
- Statistics and modelling 321, 340, 387, 434, 473, 495, 524, 569, 760
- Sterile male release technique 589
- Succession: aquatic habitats 177, 287, 689, 754
- Succession: terrestrial habitats 16, 67, 86, 269, 277, 283, 330, 588, 656, 663, 676, 692
- Synanthropization 79, 85, 109, 137, 155, 244, 428, 563
- Synergic effect in pest control 311, 517, 551–553, 611, 613, 615–617

- Taxonomy 147, 237, 244, 353, 377
- Territoriality, home ranges: 128, 228, 333, 336, 434, 541, 569, 680, 687, 698
- Transfer (circulation) of chemical elements 463, 636, 663, 686, 705, 710, 720, 731, 786, 787
- Transpiration 414, 646
- Trappability: aquatic invertebrates 226, 324
- Trappability: terrestrial invertebrates 9, 18, 76, 90, 91, 109, 116, 145, 153, 178, 227, 254-256, 259, 261, 289, 292, 312, 365, 367, 381, 388, 440, 461, 474, 476, 483, 533, 619, 625, 635, 661, 662, 695, 699, 720, 735, 748, 775
- Trappability: vertebrates 62, 86, 146, 151, 175, 185, 194, 212, 238, 295, 333-338, 373, 432, 434, 566, 569, 628, 680, 698, 779
- Trees: root system 667
- Vertebrate communities (groupings): aquatic habitats 120, 126, 214, 224, 391, 415, 546, 598, 600, 610, 627
- Vertebrate communities (groupings): terrestrial habitats 54, 64, 74, 86, 115, 121, 223, 307, 331, 447, 541, 566, 676
- Vertebrate populations: aquatic habitats 31, 56, 84, 139, 141, 163, 196, 230, 234, 237, 243, 302, 317, 332, 449, 478, 563, 598-600, 708, 730, 738, 746, 756
- Vertebrate populations: terrestrial habitats 37, 62, 73, 79, 85, 96, 98, 113, 128, 137, 146, 151, 155, 164, 168, 175, 185, 189, 190, 194, 209, 212, 228, 238, 239, 244, 252, 268, 279, 284, 289, 295, 297, 299, 309, 333-340, 343, 346, 353, 373, 377, 405, 411, 418, 426, 428, 432, 434, 456, 491, 510, 541, 562, 566, 569, 571, 585, 625, 628, 680, 681, 687, 698, 779
- Water: physico-chemical characteristics 7, 25, 33, 34, 42, 61, 83, 148, 169, 247, 287, 445, 450, 560, 564, 578, 583, 597, 607, 637, 688, 689, 691, 704, 706, 707, 727, 745, 767
- Wind 634
- Zoogeography 147, 155, 237, 244, 254, 297, 353, 377, 418, 428, 436
- Zooplankton 25, 32, 42, 48, 70, 78, 104, 119, 169, 201, 202, 217, 219, 235, 264, 306, 357, 358, 425, 460, 494, 503, 578, 582, 603, 604, 610, 637-639, 754, 755, 767, 781, 783
- Zooplankton-phytoplankton relations 48, 358, 425, 503, 754, 783

#### 4.4. APPLIED ECOLOGY

- Agriculture 8, 12, 13, 15, 17, 35, 44, 47, 49, 50, 55, 69, 75, 88, 118, 124, 138, 140, 143, 144, 152-154, 156, 181, 198, 206, 241, 242, 249-251, 256, 257, 272, 275, 279, 281, 293, 300, 304, 313, 314, 316, 318, 319, 327, 348, 350, 351, 359, 363, 365, 369, 370, 375, 381, 392, 394, 397, 401, 405, 407, 408, 410, 414, 420, 422, 423, 430, 437, 440, 441, 443, 446, 458, 461, 467, 499, 540, 550, 552, 557, 558, 587, 590, 593, 595, 596, 611, 620, 640-642, 664, 671, 672, 723, 752, 753, 757, 775, 776, 778, 779
- Bee-keeping 561
- Fishery 141, 163, 214, 219, 230, 232, 234, 264, 302, 306, 315, 317, 449, 478, 546, 597-610, 627, 708, 730, 738, 746, 755, 756, 781, 783
- Forestry 19, 29, 51, 58, 59, 67, 174, 200, 220, 276, 278, 283, 303, 321, 330, 360, 387, 431, 495, 549, 567, 568, 591, 635, 667, 670, 713-719, 732-734, 747
- Game management 309, 409, 411, 426, 429, 465, 510, 562, 571, 687, 721
- Meadow management 148, 192, 233, 347, 383, 438, 480, 486, 492, 566, 629, 630, 692, 773, 774
- Pasture management 647-663, 686, 705
- Pest control 47, 50, 55, 67, 74, 160, 172, 173, 184, 206, 250, 251, 308, 311, 351, 378, 379, 398, 405, 413, 420, 430, 435, 439, 448, 458, 468, 472, 475, 509, 516, 517, 544, 551-553, 587, 589, 595, 596, 611-617, 633, 724, 725, 732-734, 750, 763, 764, 778
- Recultivation of soils 641