

**Edi Gittenberger's publications and molluscan taxa  
enumerated and evaluated**

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An appraisal of the published work of Edmund Gittenberger is presented accompanied by a list of his new molluscan taxa, a total of 270 for the years 1960-2007.

Keywords: Gastropoda, Bivalvia, new taxa, Gittenberger, history of biology.

Edmund (Edi) Gittenberger's publication history started in 1960 with the publication of his first paper in the newsletter of the Dutch Malacological Society (Nederlandse Malacologische Vereniging, NMV). Here we describe 48 years of publication history, from 1960 until 2007. During this time Edi published 324 contributions. Over a quarter of his publications (27.8%) was published in 'Basteria', the journal of the Nederlandse Malacologische Vereniging of which he joined the editorial board in 1977. In 2000 he took over as editor-in-chief.

His professional scientific career started in 1965, when he became assistant-curator of the Mollusca at the National Museum of Natural History in Leiden (NNM). Here we first give an overview of his complete publication record until 2007. A complete list of his publications can be found on [www.science.naturalis.nl](http://www.science.naturalis.nl). Secondly, we present a complete list of his taxa and the associated references as they were at the time this paper went to print. Data used in this paper were derived from the library of the first author and from that of the NNM.

As said, Edi published 324 papers, resulting in 4,364 pages. With a 48 year publication history this brings us to an average of approximately 92 pages per year. However, the output per year is very variable, so this number doesn't say much. We therefore looked at the average number of pages per paper per year (fig. 1). This shows that the overall average (13.5) is relatively high due to seven 'outliers', i.e. values that numerically strongly deviate from the rest of the observations. These seven peaks can be traced back to seven voluminous publications. In 1970 he published, together with Th. E. J. Ripken and W. Backhuys a field guide to the Dutch land snails. 1973 marked the publication of his thesis, a contribution to the knowledge of the Chondrininae. He translated Kerney and Cameron's field guide to the land snails of Britain and NW Europe, which appeared in 1980. The next two outliers are marked by two monographs. In 1984 he published, together with J.J. van Aartsen and H.P.M.G. Menkhorst, a treatise on the marine molluscs of the bay of Algeciras. Together with H.D. Boeters and P. Subai a monograph on the Aciculidae was published in 1989. The last two voluminous publications, in 1992 and 1998 were his contributions to the thesis of T. Kemperman and his work on the book on the freshwater molluscs of the Netherlands.

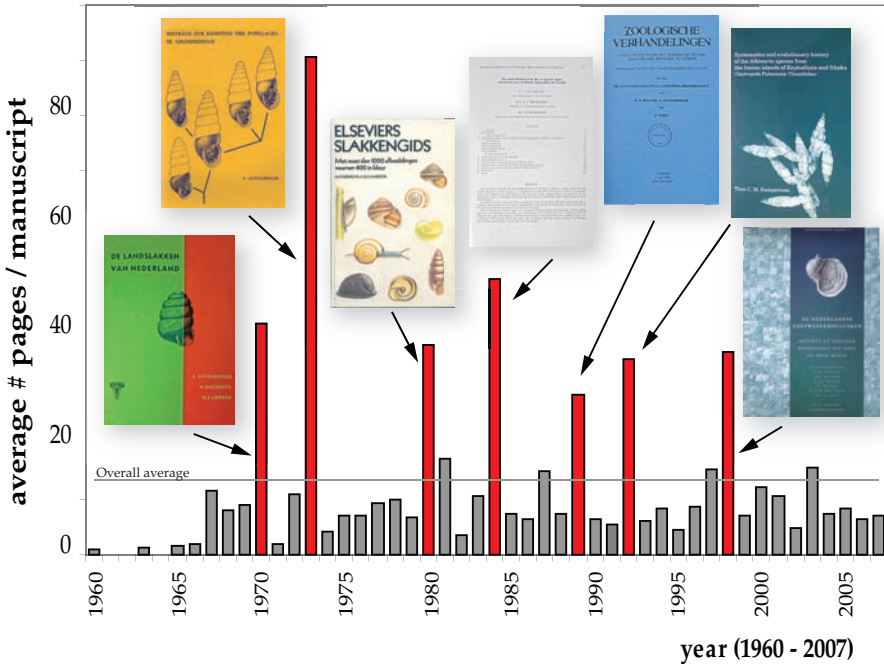


Fig. 1. Average number of pages published per year in the period 1960-2007. Seven outliers are shown in red with the associated book covers or title page.

When we look at his co-author list, we find a total of 110 people with whom he collaborated at least once. A top-ten of co-authors is listed in table 1.

Over the whole publication history a steady increase in number of publications can be observed (fig. 2a). These publications resulted in the description of 270 new molluscan taxa (fig. 2b). In total he described 1 new family (Elonidae), 18 genera, 4 subgenera, 207 species and 40 subspecies. A list of taxa is provided in table 2.

Thomson's 'ISI Web of Knowledge' (<http://www.isiwebofknowledge.com/>) gives us the opportunity to have a look at the contributions that were made to one of over 9,000 journals that are indexed by Thomson. Data are available from 1982 onward. This gives only a marginal representation of the work by Edi Gittenberger, since many taxonomically orientated journals and/or books (including *Basteria*) are not indexed. It does however give us some insight in the impact of his contributions. Edi published 52 papers in indexed journals (16% of all his contributions, 21% since 1982). These papers were cited 217 times (or 338 times when self-citations are included), yielding an average citation of 4.17 (6.50).

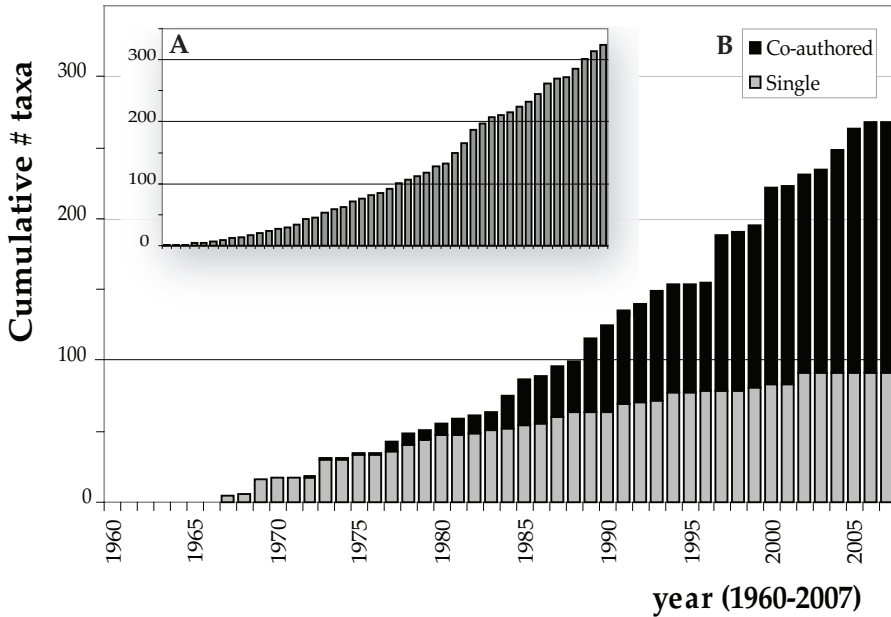


Fig. 2. A, Cumulative number of publications over the years 1960-2007. B, Cumulative number of taxa.

| #  | Co-author           | # of co-authored publications |
|----|---------------------|-------------------------------|
| 1  | Menno Schilthuizen  | 22                            |
| 2  | Theo Ripken         | 18                            |
| 3  | Jeroen Goud         | 11                            |
| 4  | Dennis Uit de Weerd | 11                            |
| 5  | Ruud Bank           | 10                            |
| 6  | Coline van Moorsel  | 9                             |
| 7  | Henk Menkhorst      | 8                             |
| 8  | Dick Groenberg      | 8                             |
| 9  | Theo Kemperman      | 7                             |
| 10 | Arjan Gittenberger  | 7                             |

Table 1. The ten most frequently occurring co-authors in the complete list of publications.

TABLE 2

**NEOPILINIDAE***Rokopella brummeri* Goud & Gittenberger, 1993**ACICULIDAE***Acicula algerensis* Gittenberger & Boeters, 1977*Acicula disjuncta* Boeters, Gittenberger & Subai, 1989*Acicula hausdorffi* Boeters, Gittenberger & Subai, 1989*Acicula lineolata banki* Boeters, Gittenberger & Subai, 1989*Acicula multilineata* Boeters, Gittenberger & Subai, 1989*Acicula norrisi* Gittenberger & Boeters, 1977*Acicula riedeli* Boeters, Gittenberger & Subai, 1989***Menkia*** Boeters, Gittenberger & Subai, 1985*Menkia celleneuva* Boeters Gittenberger & Subai, 1985*Menkia dewinteri* Gittenberger, 1991*Menkia horsti* Boeters, Gittenberger & Subai, 1985*Menkia rolani* Gittenberger, 1991*Platyla falkneri* Boeters, Gittenberger & Subai, 1989*Platyla maasseni* Boeters, Gittenberger & Subai, 1989*Platyla minutissima* Boeters, Gittenberger & Subai, 1989*Platyla peloponnesica* Boeters, Gittenberger & Subai, 1989*Platyla pezzolii* Boeters, Gittenberger & Subai, 1989*Platyla procax* Boeters, Gittenberger & Subai, 1989*Platyla turcica* Boeters, Gittenberger & Subai, 1989*Renea gormonti* Boeters, Gittenberger & Subai, 1989*Renea kobelti albanica* Boeters, Gittenberger & Subai, 1989*Renea paillona* Boeters, Gittenberger & Subai, 1989*Renea singularis ripkeni* Boeters, Gittenberger & Subai, 1989**MOITESSIERIIDAE*****Clameia*** Boeters & Gittenberger, 1990*Clameia brooki* Boeters & Gittenberger, 1990*Moitessieria juvenisanguis* Boeters & Gittenberger, 1980**HYDROBIIDAE***Horatia (Neohoratia) hadei* Gittenberger, 1982*Hydrobia joessei* Van Aartsen, Menkhorst & Gittenberger, 1984**TRUNCATELLIDAE***Takeitia heinrichi* Gittenberger, 1989**RISSOIDAE***Alvania altenai* Van Aartsen, Menkhorst & Gittenberger, 1984**EPITONIIDAE*****Epidendrium*** Gittenberger, A. & E, 2005*Epidendrium aureum* Gittenberger, A. & E, 2005*Epidendrium sordidum* Gittenberger, A. & E, 2005***Epifungium*** Gittenberger, A. & E, 2005*Epifungium adgranulosa* Gittenberger, A. & E, 2005*Epifungium adgravis* Gittenberger, A. & E, 2005*Epifungium adscabra* Gittenberger, A. & E, 2005*Epitonium crasscostatum* Gittenberger, A. & E, 2005*Epifungium marki* Gittenberger, A. & E, 2005*Epifungium nielsi* Gittenberger, A. & E, 2005

- Epifungium pseudolochi* Gittenberger, A. & E, 2005  
*Epifungium pseudotwilae* Gittenberger, A. & E, 2005  
*Epitonium graviarmatum* Gittenberger, A. & E, 2005  
*Serrepifungium* Gittenberger, A. & E, 2005  
*Serrepifungium patamakanthini* Gittenberger, A. & E, 2005

**ACLIDIDAE**

- Aclis verduini* Van Aartsen, Menkhorst & Gittenberger, 1984

**BUCCINIDAE**

- Babylonia angusta* Van Regteren Altena & Gittenberger, 1981  
*Babylonia formosae habei* Van Regteren Altena & Gittenberger, 1981  
*Babylonia lani* Gittenberger & Goud, 2003  
*Babylonia leonis* Van Regteren Altena & Gittenberger, 1972  
*Babylonia luzonensis* Van Regteren Altena & Gittenberger, 1981  
*Babylonia umbilifusca* Gittenberger & Goud, 2003

**COLUMBELLIDAE**

- Mitrella bruggeni* Van Aartsen, Menkhorst & Gittenberger, 1984

**MARGINELLIDAE**

- Cyraeolina vanhareni* Van Aartsen, Menkhorst & Gittenberger, 1984  
*Gibberula jansseni* Van Aartsen, Menkhorst & Gittenberger, 1984

**TURRIDAE**

- Mitrolumna wilhelminae* Van Aartsen, Menkhorst & Gittenberger, 1984

**PYRAMIDELLIDAE**

- Adelacteon elongata* Van Aartsen, Gittenberger & Goud, 1997  
*Adelacteon lilyae* Van Aartsen, Gittenberger & Goud, 1997  
*Chrysallida carpinei* Van Aartsen, Gittenberger & Goud, 2000  
*Chrysallida dekkeri* Van Aartsen, Gittenberger & Goud, 2000  
*Chrysallida epitonoides* Van Aartsen, Gittenberger & Goud, 2000  
*Chrysallida faberi* Van Aartsen, Gittenberger & Goud, 2000  
*Chrysallida feldi* Van Aartsen, Gittenberger & Goud, 2000  
*Chrysallida gabmulderi* Van Aartsen, Gittenberger & Goud, 2000  
*Chrysallida gitzelsi* Van Aartsen, Gittenberger & Goud, 2000  
*Chrysallida hoenselaari* Van Aartsen, Gittenberger & Goud, 2000  
*Chrysallida horii* Van Aartsen, Gittenberger & Goud & Goud, 2000  
*Chrysallida josae* Van Aartsen, Gittenberger & Goud, 2000  
*Chrysallida kempermanni* Van Aartsen, Gittenberger & Goud, 2000  
*Chrysallida kronenbergi* Van Aartsen, Gittenberger & Goud, 2000  
*Chrysallida mcmillanae* Van Aartsen, Gittenberger & Goud, 2000  
*Chrysallida menkhorsti* Van Aartsen, Gittenberger & Goud, 2000  
*Chrysallida turbonillaeformis* Van Aartsen, Gittenberger & Goud, 2000  
*Chrysallida vanderlindeni* Van Aartsen, Gittenberger & Goud, 2000  
*Chrysallida wilhelminae* Van Aartsen, Gittenberger & Goud, 2000  
*Eulimella boydae* Van Aartsen, Gittenberger & Goud, 2000  
*Eulimella buijsi* Van Aartsen, Gittenberger & Goud, 2000  
*Eulimella fontanae* Van Aartsen, Gittenberger & Goud, 2000  
*Eulimella herosae* Van Aartsen, Gittenberger & Goud, 2000  
*Eulimella robusta* Van Aartsen, Gittenberger & Goud, 1997  
*Eulimella shelaghae* Van Aartsen, Gittenberger & Goud, 2000  
*Eulimella sinuata* Van Aartsen, Gittenberger & Goud, 1997  
*Eulimella trewae* Van Aartsen, Gittenberger & Goud, 2000  
*Eulimella tydemani* Van Aartsen, Gittenberger & Goud, 1997

- Eulimella vanderlandi* Van Aartsen, Gittenberger & Goud, 2000  
*Eulimella vanhareni* Van Aartsen, Gittenberger & Goud, 1997  
*Eulimella ventricosa* Van Aartsen, Gittenberger & Goud, 2000  
*Eulimella verduini* Van Aartsen, Gittenberger & Goud, 1997  
*Folinella holthuisi* Van Aartsen, Gittenberger & Goud, 1997  
*Folinella moolenbeeki* Van Aartsen, Gittenberger & Goud, 1997  
*Odetta deklemi* Van Aartsen, Gittenberger & Goud, 1997  
*Odetta marci* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia (Odostomia) boermani* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia (Odostomia) brandhorsti* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia (Odostomia) dijkhuiseni* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia (Odostomia) duureni* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia (Odostomia) kuiperi* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia (Odostomia) meijeri* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia (Odostomia) paardenkooperi* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia (Odostomia) romburghi* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia (Odostomia) schrami* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia (Odostomia) vanurki* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia (Odostomia) verhoeveni* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia (Megastomia) desmiti* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia (Megastomia) zijpi* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia (Pyramistomia) fehrae* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia bernardi* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia dalsumi* Van Aartsen, Gittenberger & Goud, 1997  
*Odostomia kromi* Van Aartsen, Menkhorst & Gittenberger, 1984  
*Odostomia prinsii* Van Aartsen, Gittenberger & Goud, 1997  
*Ondina mosti* Van Aartsen, Gittenberger & Goud, 1997  
*Puposyrnola kaasi* Van Aartsen, Gittenberger & Goud, 1997  
*Pyramidella (Longchaeus) schanderi* Van Aartsen, Gittenberger & Goud, 1997  
*Tiberia apicifusca* Van Aartsen, Gittenberger & Goud, 1997  
*Tiberia minusculoides* Van Aartsen, Gittenberger & Goud, 1997

#### CARYCHIIDAE

- Carychium hellenicum* Bank & Gittenberger, 1985  
*Carychium ibazoricum* Bank & Gittenberger, 1985  
*Zospeum bellesi* Gittenberger, 1973  
*Zospeum suarezi* Gittenberger, 1980

#### AZECIDAE

- Hypnophila malagana* Gittenberger & Menkhorst, 1983

#### ARGNIDAE

- Agardhiella dabovici* Gittenberger, 1975  
*Speleodentorcula* Gittenberger, 1985  
*Speleodentorcula beroni* Gittenberger, 1985

#### PUPILLIDAE

- Pupoides orzolae* Gittenberger & Ripken, 1985

#### LAURIIDAE

- Leiostyla iranica* Gittenberger & Pieper, 1988

#### STROBILOPSIDAE

- Klemmia* Gittenberger, 1969  
*Klemmia magnicosta* Gittenberger, 1975  
*Klemmia sinistrorsa* Gittenberger, 1969

- Spelaeodiscus dejongi* Gittenberger, 1969  
**Virpazaria** Gittenberger, 1969  
*Virpazaria (Aemiliella)* Gittenberger, 1969  
*Virpazaria adrianae* Gittenberger, 1969  
*Virpazaria backhuysi* Gittenberger, 1969  
*Virpazaria deelemanorum* Gittenberger, 1975  
*Virpazaria pageti* Gittenberger, 1969  
*Virpazaria ripkeni* Gittenberger, 1969

**VALLONIIDAE**

- Plagyrona* Gittenberger, 1977

**ORCULIDAE**

- Orcula dolium raxae* Gittenberger, 1978  
*Orcula austriaca goelleri* Gittenberger, 1978  
*Orculella creantirudis* Gittenberger & Hausdorf, 2004  
*Orculella creticostata* Gittenberger & Hausdorf, 2004  
*Orculella cretimaxima* Gittenberger & Hausdorf, 2004  
*Orculella astirakiensis* Gittenberger & Hausdorf, 2004  
*Orculella cretilasithi* Gittenberger & Hausdorf, 2004  
*Orculella cretiminuta* Gittenberger & Hausdorf, 2004  
*Orculella cretioreina* Gittenberger & Hausdorf, 2004  
*Orculella diensis* Gittenberger & Hausdorf, 2004  
*Orculella fodela* Gittenberger & Hausdorf, 2004  
*Orculella franciscoi* Gittenberger & Hausdorf, 2004  
*Orculella scalaris* Gittenberger & Hausdorf, 2004  
*Pagodulina hauseri* Gittenberger, 1978  
*Pagodulina klemmi* Gittenberger & Subai, 1978 (in: Gittenberger, 1978)  
*Pagodulina lederi hyrcanica* Gittenberger & Pieper, 1984  
**Schileykula** Gittenberger, 1983  
*Schileykula aculeata* Gittenberger & Menkhorst, 1993  
**Walklea** Gittenberger, 1978

**CHONDRINIDAE**

- Abida secale elegantissima* Gittenberger, 1973  
*Abida secale cadiensis* Gittenberger, 1973  
*Abida secale brongersmai* Gittenberger, 1973  
*Abida secale ateni* Gittenberger, 1973  
*Chondrina altimirai* Gittenberger, 1973  
*Chondrina calpica altenai* Gittenberger, 1973  
*Chondrina falkneri* Gittenberger, 2002  
*Chondrina gasulli* Gittenberger, 1973  
*Chondrina gerhardi* Gittenberger, 2002  
*Chondrina klemmi* Gittenberger, 1973  
*Chondrina kobelti cliendentata* Gittenberger, 1973  
*Chondrina kobeltoides* Gittenberger, 1973  
*Chondrina ripkeni* Gittenberger, 1973  
*Granaria braunii marcusii* Gittenberger & Ripken, 1993  
*Granaria persica* Gittenberger, 1973

**BULIMINIDAE**

- Buliminus (Buliminus) akkumensis* Gittenberger & Menkhorst, 1991  
*Buliminus corpulentior* Gittenberger & Menkhorst, 2006  
*Buliminus (Buliminus) corpulentus* Gittenberger & Menkhorst, 1991

*Buliminus (Pene) coluplicatus* Gittenberger & Menkhorst, 1991  
*Chondrula vaderi* Gittenberger, 1967  
*Chondrula (Eubrephulus) peloponnesica* Gittenberger, 1984  
*Imparietula altenai* Gittenberger, 1967  
*Turanena cochlicopoides* Gittenberger & Menkhorst, 1992  
*Turanena conelongata* Gittenberger & Menkhorst, 1992  
*Turanena katerinae* Gittenberger, 1996  
*Turanena tuccari* Gittenberger, 1986  
*Turanena yusufelensis* Gittenberger & Menkhorst, 1992  
*Turanena zilchi* Gittenberger & Menkhorst, 1992  
*Zebrina (Ramusculus) mienisi* Gittenberger, 1986]

#### CLAUSILIIDAE

*Albinaria adrianae adrianae* Gittenberger, 1979  
*Albinaria adrianae dubia* Gittenberger, 1979  
*Albinaria argynnis levipalatalis* Gittenberger, 1994  
*Albinaria argynnis profundella* Gittenberger, 1994  
*Albinaria ariadne* Schilthuizen & Gittenberger, 1991  
*Albinaria contaminata periporon* Kemperman & Gittenberger, 1992  
*Albinaria contaminata samiensis* Kemperman & Gittenberger, 1992  
*Albinaria discolor eureka* Gittenberger, 1994  
*Albinaria discolor pelocarinata* Gittenberger, 1994  
*Albinaria evelynae* Gittenberger, 1998  
*Albinaria grisea akrocurta* Gittenberger, 1994  
*Albinaria hippolyti hieronymi* Schilthuizen & Gittenberger, 1990  
*Albinaria hippolyti francisci* Schilthuizen & Gittenberger, 1990  
*Albinaria hippolyti neuteboomi* Schilthuizen & Gittenberger, 1990  
*Albinaria ietswaarti* Gittenberger & Menkhorst, 1992  
*Albinaria jonica assicola* Kemperman & Gittenberger, 1990  
*Albinaria linnei* Gittenberger, 2008  
*Albinaria senilis kolpomyrtensis* Kemperman & Gittenberger, 1990  
*Albinaria supercarinata* Gittenberger & Menkhorst, 1992  
*Albinaria ulrikae* Schilthuizen & Gittenberger, 1990  
*Albinaria violacea violacea* Schilthuizen & Gittenberger, 1990  
*Albinaria violacea dextrogyra* Schilthuizen & Gittenberger, 1990  
*Albinaria wiesei* Gittenberger, 1988  
*Balea (Balea) holdgatei* Preece & Gittenberger, 2003  
*Balea ((Balea) swalesi* Preece & Gittenberger, 2003  
*Carinigera buresi nordsiecki* Gittenberger & Uit de Weerd, 2004  
*Carinigera buresi polimilitis*. Gittenberger & Uit de Weerd, 2004  
*Carinigera (Sporadhia)* Gittenberger & Uit de Weerd, 2006  
*Cochlodina laminata kauefeli* Gittenberger, 1967  
*Cochlodina laminata klemmi* Gittenberger, 1967  
*Cochlodina laminata insulana* Gittenberger, 1967  
*Idyla castalia yeruni* Gittenberger, 2002  
*Idyla pelobsoleta* Gittenberger, 1993  
***Inchoatia*** Gittenberger & Uit de Weerd, 2006  
*Isabellaria adriani* Gittenberger, 1987  
*Isabellaria edmundi* Gittenberger, 1987  
*Isabellaria idyllica* Gittenberger, 1987  
*Isabellaria vrondamasa* Gittenberger, 1987



- Leptacme cuongi* Maassen & Gittenberger, 2007  
*Montenegrina dennisi dennisi* Gittenberger, 2002  
*Montenegrina dennisi protruda* Gittenberger, 2002  
*Montenegrina janinensis maasseni* Gittenberger, 2002  
*Macedonica pindica pindica* Gittenberger, 2002  
*Macedonica pindica bellula* Gittenberger, 2002  
*Oospira (Oospira) duci* Maassen & Gittenberger, 2007  
*Oospira (Oospira) pyknosoma* Gittenberger & Vermeulen, 2001  
*Oospira (Atractaphaedusa) smithi* Maassen & Gittenberger, 2007  
**Tsoukatosia** Gittenberger, 2000  
*Tsoukatosia liae* Gittenberger, 2000  
**Vallatia** Gittenberger & Uit de Weerd, 2006

**FERUSSACIIDAE**

- Cryptazeca kobelti* Gittenberger, 1983

**ACAVIDAE**

- Pebasiconcha* Wesselingh & Gittenberger, 1999  
*Pebasiconcha immanis* Wesselingh & Gittenberger, 1999

**VITRINIDAE**

- Vitrina (Oligolimax) cerigottana* Gittenberger, 1992

**ZONITIDAE**

- Allaegopsis subariedeli* Gittenberger, 1999  
*Doraegopsis carinatus* Gittenberger, 1999

**PRISTILOMATIDAE**

- Gyalina ermonae* Gittenberger, 1977  
*Gyalina pageti* Gittenberger, 1988  
*Gyalina rempei* Gittenberger, 1975  
*Gyalina tsatsae* Gittenberger, 1977  
*Lindbergia garganoensis* Gittenberger & Eikenboom, 2006

**SPHINCTEROCHILIDAE**

- Sphincterochila (Cerigotella)* Gittenberger, 1993

**ELONIDAE**

- Elonidae** Gittenberger, 1979

**TRISSEXODONTIDAE**

- Gasuliella*. Gittenberger, 1980

**COCHLOCELLIDAE**

- Ripkeniella* Hutterer & Gittenberger, 1998  
*Ripkeniella petrophila* Hutterer & Gittenberger, 1998

**HYGROMIIDAE**

- Canariella orzola* Gittenberger & Ripken, 1985  
*Helicella bierzona* Gittenberger & Manga, 1977  
*Helicella corderoi* Gittenberger & Manga, 1977  
*Helicella jamuzensis* Gittenberger & Manga, 1977  
*Helicella juglans* Gittenberger, 1991  
*Helicella mangae* Gittenberger & Raven, 1982  
*Helicella orzai* Gittenberger & Manga, 1981  
*Helicella valdeona* Gittenberger & Manga, 1977  
*Helicella zaratei* Gittenberger & Manga, 1977  
*Helicopsis (Helicopsis) austriaca* Gittenberger, 1969  
*Hygromia (Ganula)* Gittenberger, 1970  
*Leptaxis orzola* Gittenberger & Ripken, 1985

*Monacha (Metatheba) ataxis* Gittenberger & de Winter, 1985

**Portugala** Gittenberger, 1980

*Pseudoxerophila confusa* Gittenberger, 1991

*Trochoidea (Xerocrassa) nicosiana* Gittenberger, 1991

*Xeropicta akrotirica* Gittenberger, 1991

#### HELICODONTIDAE

*Atenia* Gittenberger, 1968

#### HELICIDAE

*Theba andalusica* Gittenberger & Ripken, 1987

*Theba arinagae* Gittenberger & Ripken, 1987

*Theba orzolae* Gittenberger & Ripken, 1985

*Theba sacchii* Gittenberger & Ripken, 1987

#### CARDIIDAE

*Parvicardium vroomi* Van Aartsen, Menkhorst & Gittenberger, 1984

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